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STANDARDIZATION SECTOR
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X.282

Amendment 1
(10/96)

SERIES X: DATA NETWORKS AND OPEN SYSTEM COMMUNICATION

Open System Interconnection – Layer Managed Objects

Elements of management information related to the OSI data link layer

Amendment 1: Implementation Conformance Statements (ICSs) proformas

ITU-T Recommendation X.282 – Amendment 1
Superseded by a more recent version

(Previously "CCITT Recommendation")

Superseded by a more recent version

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For further details, please refer to ITU-T List of Recommendations.

Superseded by a more recent version

FOREWORD

The ITU-T (Telecommunication Standardization Sector) is a permanent organ of the International Telecommunication Union (ITU). The ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Conference (WTSC), which meets every four years, establishes the topics for study by the ITU-T Study Groups which, in their turn, produce Recommendations on these topics.

The approval of Recommendations by the Members of the ITU-T is covered by the procedure laid down in WTSC Resolution No. 1 (Helsinki, March 1-12, 1993).

Amendment 1 to ITU-T Recommendation X.282, was prepared by ITU-T Study Group 7 (1993-1996) and was approved under the WTSC Resolution No. 1 procedure on the 5th of October 1996.

NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

CONTENTS

Superseded by a more recent version

SUMMARY

This Recommendation specifies the specification of management information related to the data link layer, including the managed objects class definition of data link layer managed objects, the relationship of the managed objects and attributes to both the operation of the layer and to other objects and attributes of the layer, and the allowable actions on the attributes of data link layer managed objects. This Recommendation also includes the managed object conformance statement.

Amendment 1 to Recommendation X.282

ELEMENTS OF MANAGEMENT INFORMATION RELATED TO THE OSI DATA LINK LAYER

AMENDMENT 1
Implementation Conformance Statements (ICSs) proformas

(Geneva, 1996)

1) Add the following as the last paragraph of clause 1, "Scope".

Annexes E, F, G and H, which are integral parts of this Recommendation provide ICS proformas associated with Data link layer management information.

2) Insert the following reference to subclause 2.1, by numerical order:

– ITU-T Recommendation X.724 (1993) | ISO/IEC 10165-6:1994, *Information technology – Open Systems Interconnection – Structure of management information: Requirements and guidelines for implementation conformance statement proformas associated with OSI management.*

3) Insert the following references to subclause 2.2, by numerical order:

– CCITT Recommendation X.209 (1988), *Specification of basic encoding rules for Abstract Syntax Notation One (ASN.1).*

ISO/IEC 8825:1990, *Information technology – Open Systems Interconnection – Specification of Basic Encoding Rules for Abstract Syntax Notation One (ASN.1).*

– ITU-T Recommendation X.290 (1995), *OSI conformance testing methodology and framework for protocol Recommendations for ITU-T applications – General concepts.*

ISO/IEC 9646-1:1994, *Information technology – Open Systems Interconnection – Conformance testing methodology and framework – Part 1: General concepts.*

– ITU-T Recommendation X.291 (1995), *OSI conformance testing methodology and framework for protocol Recommendations for ITU-T applications – Abstract test suite specification.*

ISO/IEC 9646-2:1994, *Information technology – Open Systems Interconnection – Conformance testing methodology and framework – Part 2: Abstract Test Suite specification.*

– ITU-T Recommendation X.296 (1995), *OSI conformance testing methodology and framework for protocol Recommendations for ITU-T applications – Implementation Conformance Statements.*

ISO/IEC 9646-7:1995, *Information technology – Open Systems Interconnection – Conformance testing methodology and framework – Part 7: Implementation Conformance Statements.*

4) Add the following abbreviations to clause 4:

MCS Management Conformance Summary

MICS Management Information Conformance Statement

MOCS Managed Object Conformance Statement

MRCS Managed Relationship Conformance Statement

5) Replace the clause 7 with the following:

7 Conformance

Implementations claiming to conform to this Recommendation shall comply with the conformance requirements as defined in the following subclauses.

7.1 Conformance requirements to this Recommendation

7.1.1 Static conformance

The implementation shall conform to the requirements of this Recommendation in the manager role, the agent role, or both roles. A claim of conformance to at least one role shall be made in Table E.1.

If a claim of conformance is made for support in the manager role, the implementation shall support at least one management operation or notification or action of the managed objects specified by this Recommendation. The conformance requirements in the manager role for those management operations, notifications and actions are identified in Table E.3 and further tables referenced by Annex E.

If a claim of conformance is made for support in the agent role, the implementation shall support one or more instances of the data link subsystem managed object class and the data link service access point managed object class identified in Table E.4 and further tables referenced by Annex E.

If a claim of conformance is made for support in the agent role, the implementation shall support at least one name binding identified in Table E.7 for each supported managed object.

The implementation shall support the transfer syntax derived from the encoding rules specified in CCITT Rec. X.209 and ISO/IEC 8825 named {joint-iso-ccitt asn1(1) basicEncoding(1)} for the abstract data types referenced by the definitions for which support is claimed.

7.1.2 Dynamic conformance

Implementations claiming to conform to this Recommendation shall support the elements of procedure and definitions of semantics corresponding to the definitions for which support is claimed.

7.1.3 Management implementation conformance statement requirements

Any MCS proforma, MICS proforma, MOCS proforma, and MRCS proforma which conform to this Recommendation shall be technically identical to the proformas specified in Annexes E, F, G and H preserving table numbering and the index numbers of items, and differing only in pagination and page headers and footers.

The supplier of an implementation which is claimed to conform to this Recommendation shall complete a copy of the Management Conformance Summary (MCS) provided in Annex E as part of the conformance requirements together with any other ICS proformas referenced as applicable from that MCS. Any MCS, MICS, MOCS, and MRCS which conform to this Recommendation shall:

- describe an implementation which conforms to this Recommendation;
- have been completed in accordance with the instructions for completion given in ITU-T Rec. X.724 | ISO/IEC 10165-6;
- include the information necessary to uniquely identify both the supplier and the implementation.

7.2 Protocol specific conformance requirements

The supplier of an implementation which is claimed to conform to this Recommendation shall support at least one protocol identified in Table E.2.

7.2.1 Conformance to the ISO 7776

An implementation claming conformance to ISO/IEC 7776 in the agent role as a managed implementation shall:

a) conform to ITU-T Rec. X.282 and ISO/IEC 10742 as defined in 7.1;

b) support the 1APBDLE MO, the sLPPM MO and sLPConnection MO.

7.2.2 Conformance to the ISO/IEC 8802-2 connectionless-mode LLC

An implementation claming conformance to ISO/IEC 8802-2 connectionless-mode LLC in the agent role as a managed implementation shall:

a) conform to ITU-T Rec. X.282 and ISO/IEC 10742 as defined in 7.1;

b) support the 1LCDLE MO and at least one class derived from the 1LCCLPM MO.

7.2.3 Conformance to the ISO/IEC 8802-2 connection-mode LLC

An implementation claming conformance to ISO/IEC 8802-2 connection-mode LLC in the agent role as a managed implementation shall:

a) conform to ITU-T Rec. X.282 and ISO/IEC 10742 as defined in 7.1;

b) support the 1LCDLE MO and at least one class derived from the 1LCCOPM MO.

7.2.4 Conformance to the ISO 8802 MAC

An implementation claming conformance to ISO 8802 MAC in the agent role as a managed implementation shall:

a) conform to ITU-T Rec. X.282 and ISO/IEC 10742 as defined in 7.1;

b) support the mACDLE MO and at least one class derived from the mAC MO.

6) *Add Annexes E, F, G and H after the Annex D.*

Annex E[1)]

MCS proforma

E.1 Introduction

E.1.1 Purpose and structure

The Management Conformance Summary (MCS) is a statement by a supplier that identifies an implementation and provides information on whether the implementation claims conformance to any of the listed set of documents that specify conformance requirements to OSI management.

The MCS proforma is a document, in the form of a questionnaire that when completed by the supplier of an implementation becomes the MCS.

E.1.2 Instructions for completing the MCS proforma to produce an MCS[2)]

The supplier of the implementation shall enter an explicit statement in each of the boxes provided. Specific instruction is provided in the text which precedes each table.

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1) **Copyright release for MCS proforma**

Users of this Recommendation may freely reproduce the MCS proforma in this annex so that it can be used for its intended purpose, and may further publish the completed MCS.

2) Instructions for completing the MCS proforma are specified in ITU-T Rec.X.724 | ISO/IEC 10165-6.

E.1.3 Symbols, abbreviations and terms

For all annexes of this Recommendation, the following common notations, defined in ITU-T Rec. X.291 and ISO/IEC 9646-2 and ITU-T Rec. X.296 and ISO/IEC 9646-7 are used for the Status column:

m Mandatory

o Optional

c Conditional

x Prohibited

– Not applicable or out of scope

NOTES

1 "c", "m", and "o" are prefixed by a "c:" when nested under a conditional or optional item of the same table.

2 "o" may be suffixed by ".N" (where N is a unique number) for mutually exclusive or selectable options among a set of status values. Support of at least one of the choices (from the items with the same values of N) is required.

For all the annexes of this Recommendation, the following common notations, defined in ITU-T Rec. X.291 and ISO/IEC 9646-2 and ITU-T Rec. X.296 and ISO/IEC 9646-7 are used for the Support column:

Y Implemented

N Not implemented

– No answer required

Ig The item is ignored (i.e. processed syntactically but not semantically)

E.2 Identification of the implementation

E.2.1 Date of statement

The supplier of the implementation shall enter the date of this statement in the box below. Use the format DD-MM-YYYY.

Date of statement

E.2.2 Identification of the implementation

The supplier of the implementation shall enter information necessary to uniquely identify the implementation and the system(s) in which it may reside, in the box below.

E.2.3 Contact

The supplier of the implementation shall provide information on whom to contact if there are any queries concerning the content of the MCS, in the box below.

E.3 Identification of the Recommendation in which the management information is defined

The supplier of the implementation shall enter the title, reference number and date of the publication of the Recommendation which specifies the management information to which conformance is claimed, in the box below.

Recommendation to which conformance is claimed

E.3.1 Technical corrigenda implemented

The supplier of the implementation shall enter the reference numbers of implemented Technical corrigenda which modify the identified Recommendation, in the box below.

E.3.2 Amendments implemented

The supplier of the implementation shall state the titles and reference numbers of implemented amendments to the identified Recommendation, in the box below.

E.4 Management conformance summary

The supplier of implementation shall state the capabilities and features supported and provide summary of conformance claims to Recommendations using the tables in this annex.

The supplier of the implementation shall specify the roles that are supported, in Table E.1.

TABLE E.1

Roles

Index	Roles supported	Status	Support	Additional information
1	Manager role support	o.1		
2	Agent role support	o.1		

The supplier of the implementation shall specify the protocols that are supported, in Table E.2.

TABLE E.2

Protocol

Index	Protocol supported	Status	Support	Additional information
1	ISO 7776 support	o.2		
2	ISO 8802-2 (CL mode) support	o.2		
3	ISO 8802-2 (CO mode) support	o.2		
4	ISO/IEC 8802 MAC support	c1		
c1: if E.2/2a or E.2/3a then m else –				

The supplier of the implementation shall specify support for management information in the manager role, in Table E.3.

TABLE E.3

Manager role minimum conformance requirement

Index	Item	Status	Support	Additional information
1	Operations on managed objects	c1		
2	Attribute value change notification for EWMA metric monitor managed object	c1		
3	Object creation notification for EWMA metric monitor managed object	c1		
4	Object deletion notification for EWMA metric monitor managed object	c1		
5	Quality of Service alarm notification for EWMA metric monitor managed object	c1		
6	State change notification for EWMA metric monitor managed object	c1		
7	Object creation notification for LAPB data link entity managed object	c2		
8	Object deletion notification for LAPB data link entity managed object	c2		
9	State change notification for LAPB data link entity managed object	c2		
10	Object creation notification for LLC data link entity managed object	c3		
11	Object deletion notification for LLC data link entity managed object	c3		
12	State change notification for LLC data link entity managed object	c3		
13	Object creation notification for MAC data link entity managed object	c4		
14	Object deletion notification for MAC data link entity managed object	c4		
15	State change notification for MAC data link entity managed object	c4		
16	Deactivate action for SLP connection managed object	c2		
17	Communications alarm notification for SLP connection managed object	c2		
18	Object creation notification for SLP connection managed object	c2		
19	Object deletion notification for SLP connection managed object	c2		
20	Object creation notification for SLP connection IV managed object	c2		
21	Object deletion notification for SLP connection IV managed object	c2		
22	Activate action for SLP protocol machine managed object	c2		
23	Deactivate action for SLP protocol machine managed object	c2		
24	Object creation notification for SLP protocol managed object	c2		
25	Object deletion notification for SLP protocol managed object	c2		
26	State change notification for SLP protocol machine managed object	c2		
c1: if E.1/1a then o.3 else – c2: if E.1/1a and E.2/1a then o.3 else – c3: if E.1/1a and (E.2/2a or E.2/3a) then o.3 else – c4: if E.1/1a and E.2/4a then o.3 else –				

The supplier of the implementation shall specify support for management information in the agent role, in Table E.4.

TABLE E.4

Agent role minimum conformance requirement

Index	Item	Status	Support	Additional information
1	Data link subsystem managed object	m		
2	Data link service access point managed object	m		
3	LAPB data link entity managed object	c5		
4	LAPB single link protocol machine managed object	c5		
5	LAPB single link protocol connection managed object	c5		
6	LAPB single link protocol connection initial values managed object	c6		
7	MAC data link entity managed object	c7		
8	MAC managed object	c8		
9	LLC data link managed object	c9		
10	LLC connectionless protocol machine managed object	c10		
11	LLC connection-mode protocol machine managed object	c11		
c5: if E.1/2a and E.2/1a then m else – c6: if E.1/2a and E.2/1a then o else – c7: if E.1/2a and E.2/4a then m else – c8: if E.1/2a and E.2/4a then o else – c9: if E.1/2a and E2/2a or G.2/3a then m else – c10: if E.1/2a and E.2/2a then o else – c11: if E.1/2a and E.2/3a then o else –				

TABLE E.5

Logging of event records

Index		Status	Support	Additional information
1	Does the implementation support logging of event records in agent role?	c12		
c12: if E.1/2a then o else –				

NOTE – Conformance to this Recommendation does not require conformance to CCITT Rec. X.735 | ISO/IEC 10164-6.

The supplier of the implementation shall provide information on claims of conformance to any of the Recommendations International Standards summarized in the following tables. For each Recommendation | International Standard that the supplier of the implementation claims conformance to, the corresponding conformance statement(s) shall be completed, or referenced by, the MCS. The supplier of the implementation shall complete the Support, Table numbers and Additional information columns.

In Tables E.6 to E.8, the Status column is used to indicate whether the supplier of the implementation is required to complete the referenced tables or referenced items. Conformance requirements are as specified in the referenced tables or referenced items and are not changed by the value of the MCS Status column. Similarly, the Support column is used by the supplier of the implementation to indicate completion of the referenced tables or referenced items.

TABLE E.6

MOCS support summary

Index	Identification of the document that includes the MOCS proforma	Table numbers of MOCS proforma	Description	Con-straints and values	Status	Support	Table numbers of MOCS	Addi-tional infor-mation
1	"ISO/IEC 10742"	G.1 – G.4	dLSAP	–	m			
2	"ISO/IEC 10742"	G.5 – G.8	datalinkSubsystem	–	m			
3	"ISO/IEC 10742"	G.9 – G.14	eWMAMetricMonitor	–	o			
4	"ISO/IEC 10742"	G.15 – G.20	lAPBDLE	–	c13			
5	"ISO/IEC 10742"	G.21	lLCCLPM	–	c14			
6	"ISO/IEC 10742"	G.22	lLCCOPM	–	c15			
7	"ISO/IEC 10742"	G.23 – G.28	lLCDLE	–	c16			
8	"ISO/IEC 10742"	G.29	mAC	–	c17			
9	"ISO/IEC 10742"	G.30 – G.35	mACDLE	–	c18			
10	"ISO/IEC 10742"	G.36 – G.39	resourceTypeId	–	o			
11	"ISO/IEC 10742"	G.40 – G.47	sLPConnection	–	c19			
12	"ISO/IEC 10742"	G.48 – G.53	sLPConnectionIVMO	–	c20			
13	"ISO/IEC 10742"	G.54 – G.60	sLPPM	–	c21			
14	"ISO/IEC 10164-1"	Table C.1 – C.4	objectCreationRecord	–	c22			
15	"ISO/IEC 10164-1"	Table C.5 – C.8	objectDeletionRecord	–	c22			
16	"ISO/IEC 10164-1"	Table C.9 – C.12	attributeValueChangeRecord	–	c23			
17	"ISO/IEC 10164-2"	Table C.1 – C.4	stateChangeRecord	–	c24			
18	"ISO/IEC 10164-4"	Table C.1 – C.4	alarmRecord	–	c25			

c13: if E.4/3a then m else –
c14: if E.4/10a then m else –
c15: if E.4/11a then m else –
c16: if E.4/9a then m else –
c17: if E.4/8a then m else –
c18: if E.4/7a then m else –
c19: if E.4/5a then m else –
c20: if E.4/6a then m else –
c21: if E.4/4a then m else –
c22: if E.6/4a or E.6/5a or E.6/6a or E.6/7a or E.6/8a or E.6/9a or E.6/11a or E.6/12a or E.6/13a then m else –
c23: if E.6/4a then m else –
c24: if E.6/4a or E.6/5a or E.6/6a or E.6/7a or E.6/8a or E.6/9a or E.6/13a then m else –
c25: if E.6/4a or E.6/11a then m else –

TABLE E.7

MRCS support summary

Index	Identification of the document that includes the MRCS proforma	Table numbers of MOCS proforma	Description	Con-straints and values	Status	Support	Table numbers of MRCS	Addi-tional infor-mation
1	"ISO/IEC 10742"	Table H.1/1	dLSAP-datalinkEntity-Management	–	o.4			
2	"ISO/IEC 10742"	Table H.1/2	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": sap1-communicationsEntity	–	o.4			
3	"ISO/IEC 10742"	Table H.1/3	datalinkEntity-datalinkSubsystem-Management	–	o.5			
4	"ISO/IEC 10742"	Table H.1/4	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": communicationsEntity-subsystem	–	o.5			
5	"ISO/IEC 10742"	Table H.1/5	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": subsystem-system	–	m			
6	"ISO/IEC 10742"	Table H.1/6	eWMAMetricMonitor-lLCDLE-Management	–	c26			
7	"ISO/IEC 10742"	Table H.1/7	eWMAMetricMonitor-mACDLE-Management	–	c26			
8	"ISO/IEC 10742"	Table H.1/8	lLCCLPM-lLCDLE-Management	–	c27			
9	"ISO/IEC 10742"	Table H.1/9	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": clProtocolMachine-entity	–	c27			
10	"ISO/IEC 10742"	Table H.1/10	lLCCOPM-lLCDLE-Management	–	c28			
11	"ISO/IEC 10742"	Table H.1/11	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": coProtocolMachine-entity	–	c29			
12	"ISO/IEC 10742"	Table H.1/12	mAC-mACDLE-Automatic	–	c30			
13	"ISO/IEC 10742"	Table H.1/13	mAC-mACDLE-Management	–	c30			
14	"ISO/IEC 10742"	Table H.1/14	resourceTypeId-lLCDLE-Automatic	–	c31			
15	"ISO/IEC 10742"	Table H.1/15	resourceTypeId-mACDLE-Automatic	–	c31			
16	"ISO/IEC 10742"	Table H.1/16	sLPConnection-sLPPM-Automatic	–	c32			
17	"ISO/IEC 10742"	Table H.1/17	sLPConnection-sLPPM-Management	–	c32			
18	"ISO/IEC 10742"	Table H.1/18	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": singlePeerConnection-coProtocolMachine	–	c32			
19	"ISO/IEC 10742"	Table H.1/19	sLPConnectionIVMO-sLPPM-Management	–	c33			
20	"ISO/IEC 10742"	Table H.1/20	sLPPM-lAPBDLE-Management	–	c34			
21	"ISO/IEC 10164-6"	Table D.1/1	logRecord-log	–	c35			

c26: if E.6/3a then o.6 else –
c27: if E.6/4a then o.7 else –
c28: if E.6/5a then o.9 else –
c29: if E.6/6a then o.9, if E.6/13a then o.10, if E.6/6a and E.6/13a then o.9 and o.10 else –
c30: if E.6/8a then o.11 else –
c31: if E.6/10a then o.12 else –
c32: if E.6/11a then o.13 else –
c33: if E.6/12a then m else –
c34: if E.6/13a then o.10 else –
c35: if E.6/14a or E.6/15a or E.6/16a or E.6/17a or E.6/18a then m else –

TABLE E.8

MICS support summary

Index	Identification of the document that includes the MICS proforma	Table numbers of MICS proforma	Description	Con-straints and values	Status	Support	Table numbers of MICS	Addi-tional infor-mation
1	"ISO/IEC 10742"	Table F.1 to F.23	Management operations	–	c36			
2	"ISO/IEC 10742"	Table F.24	Notifications	–	c37			
3	"ISO/IEC 10742"	Table F.25	Actions	–	c38			

c36: if E.3/1a then m else –

c37: if E.3/2a or E.3/3a or E.3/4a or E.3/5a or E.3/6a or E.3/7a or E.3/8a or E.3/9a or E.3/10a or E.3/11a or E.3/12a or E.3/13a or E.3/14a E.3/15 or E.3/17a or E.3/18a or E.3/19a or E.3/20a or E.3/21a or E.3/24a or E.3/25a or E.3/26a then m else –

c38: if E.3/16a or E.3/22a or E.3/23a then m else –

Annex F[3)]

MICS proforma

F.1 Introduction

The purpose of this MICS proforma is to provide a mechanism for a supplier of an implementation which claims conformance, in the manager role, to management information specified in this Recommendation, to provide conformance information in a standard form.

F.2 Instructions for completing the MICS proforma to produce a MICS

The MICS proforma contained in this annex is comprised of information in tabular form, in accordance with ITU-T Rec. X.724 | ISO/IEC 10165-6. In addition to the general guidance given in ITU-T Rec. X.724 | ISO/IEC 10165-6. The supplier of the implementation shall state which items are supported in the tables below and if necessary, provide additional information.

F.3 Symbols, abbreviations and terms

The MICS proforma contained in this annex is comprised of information in tabular form, in accordance with ITU-T Rec. X.291 and ISO/IEC 9646-2.

The notations used in the Status and Support columns are specified in E.1.3.

F.4 Statement of conformance to the management information

F.4.1 Attributes

The specifier of a manager role implementation that claims to support management operations on the attributes specified in this Recommendation shall import a copy of the following tables and complete them.

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3) **Copyright release for MICS proforma**

Users of this Recommendation may freely reproduce the MICS proforma in this annex so that it can be used for its intended purpose, and may further publish the completed MCS.

F.4.1.1 The Data Link Service Access Point managed object

TABLE F.1

dLSAP Attribute support

				Set by create		Get		Replace		Add		Remove		Set to default		
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c1		o.14		–		–		–		–		
2	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	c1		o.14		–		–		–		–		
3	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectClass	{2 9 3 2 7 65}	ObjectClass	c1		o.14		–		–		–		–		
4	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c1		o.14		–		–		–		–		
5	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": sap1Address	{2 9 3 5 7 8}	INTEGER	–		o.14		–		–		–		–		
6	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": sapId	{2 9 3 5 7 10}	GraphicString	c1		o.14		–		–		–		–		
7	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": userEntityNames	{2 9 3 5 7 15}	SET OF ObjectInstance	–		o.14		–		–		–		–		
c1: if F.17/1a then o.14 else –																

F.4.1.2 The Data Link Subsystem managed object

TABLE F.2

datalinkSubsystem Attribute support

				Set by create		Get		Replace		Add		Remove		Set to default		
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	–		o.14		–		–		–		–		
2	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	–		o.14		–		–		–		–		
3	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectClass	{2 9 3 2 7 65}	ObjectClass	–		o.14		–		–		–		–		
4	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	–		o.14		–		–		–		–		
5	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": subsystemId	{2 9 3 5 7 11}	GraphicString	–		o.14		–		–		–		–		

F.4.1.3 The EWMA Metric Monitor managed object

TABLE F.3

eWMAMetricMonitor Attribute support

				Set be create		Get		Replace		Add		Remove		Set to default		
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": administrativeState	{2 9 3 2 7 31}	ENUMERATED	o.14		o.14		o.14		–		–		–		
2	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	o.14		o.14		–		–		–		–		
3	counterModulus	{1 2 840 10011 7 5}	INTEGER	–		o.14		o.14		–		–		–		
4	counterTMinusGP	{1 2 840 10011 7 4}	INTEGER	–		o.14		o.14		–		–		–		
5	derivedGauge	{1 2 840 10011 7 6}	CHOICE derivedGaugeNotCurrent	o.14		o.14		o.14		–		–		–		
6	estimateOfMean	{1 2 840 10011 7 7}	CHOICE	o.14		o.14		o.14		–		–		–		
7	granularityPeriod	{1 2 840 10011 7 8}	CHOICE	o.14		o.14		o.14		–		–		–		
8	movingTimePeriod	{1 2 840 10011 7 12}	CHOICE	o.14		o.14		o.14		–		–		–		
9	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	o.14		o.14		–		–		–		–		
10	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectClass	{2 9 3 2 7 65}	ObjectClass	o.14		o.14		–		–		–		–		
11	observedAttributeId	{1 2 840 10011 7 9}	AttributeId	o.14		o.14		o.14		–		–		–		
12	observedManagedObjectInstance	{1 2 840 10011 7 10}	ObjectInstance	o.14		o.14		o.14		–		–		–		
13	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": operationalState	{2 9 3 2 7 35}	ENUMERATED	–		o.14		–		–		–		–		
14	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	o.14		o.14		–		–		–		–		
15	scannerId	{1 2 840 10011 7 3}	GraphicString	o.14		o.14		–		–		–		–		
16	severityIndicatingThreshold	{1 2 840 10011 7 11}	SET OF SEQUENCE	o.14		o.14		o.14		o.14		o.14		–		

F.4.1.4 The LAPB Data Link Entity managed object

TABLE F.4

lAPBDLE Attribute support

				Set by create		Get		Replace		Add		Remove		Set to default		
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c2		o.14		–		–		–		–		
2	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": communicationsEntityId	{2 9 3 5 7 0}	GraphicString	c2		o.14		–		–		–		–		
3	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": localSapNames	{2 9 3 5 7 6}	SET OF ObjectInstance	–		o.14		–		–		–		–		
4	mT1Timer	{2 15 0 7 12}	SEQUENCE	c2		o.14		o.14		–		–		o.14		
5	mT2Timer	{2 15 0 7 13}	SEQUENCE	c2		o.14		o.14		–		–		o.14		
6	mT3Timer	{2 15 0 7 14}	SEQUENCE	c2		o.14		o.14		–		–		o.14		
7	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	c2		o.14		–		–		–		–		
8	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectClass	{2 9 3 2 7 65}	ObjectClass	c2		o.14		–		–		–		–		
9	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": operationalState	{2 9 3 2 7 35}	ENUMERATED	–		o.14		–		–		–		–		
10	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c2		o.14		–		–		–		–		
11	providerEntityNames	{2 15 0 7 11}	SET OF ObjectInstance	c2		o.14		o.14		–		–		o.14		
c2: if F.19/1a then o.14 else –																

F.4.1.5 The LLC Data Link Entity managed object

TABLE F.5

lLCDLE Attribute support

				Set by create		Get		Replace		Add		Remove		Set to default		
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c3		o.14		–		–		–		–		
2	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": communicationsEntityId	{2 9 3 5 7 0}	GraphicString	c3		o.14		–		–		–		–		
3	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": localSapNames	{2 9 3 5 7 6}	SET OF ObjectInstance	–		o.14		–		–		–		–		
4	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	c3		o.14		–		–		–		–		
5	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectClass	{2 9 3 2 7 65}	ObjectClass	c3		o.14		–		–		–		–		
6	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": operationalState	{2 9 3 2 7 35}	ENUMERATED	–		o.14		–		–		–		–		
7	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c3		o.14		–		–		–		–		
8	providerEntityNames	{2 15 0 7 11}	SET OF ObjectInstance	c3		o.14		o.14		–		–		o.14		
c3: if F.20/1a then o.14 else –																

F.4.1.6 The MAC Data Link Entity managed object

TABLE F.6

mACDLE Attribute support

				Set by create		Get		Replace		Add		Remove		Set to default		
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c4		o.14		–		–		–		–		
2	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": communicationsEntityId	{2 9 3 5 7 0}	GraphicString	c4		o.14		–		–		–		–		
3	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": localSapNames	{2 9 3 5 7 6}	SET OF ObjectInstance	–		o.14		–		–		–		–		
4	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	c4		o.14		–		–		–		–		
5	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectClass	{2 9 3 2 7 65}	ObjectClass	c4		o.14		–		–		–		–		
6	"CITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": operationalState	{2 9 3 2 7 35}	ENUMERATED	–		o.14		–		–		–		–		
7	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c4		o.14		–		–		–		–		
8	providerEntityNames	{2 15 0 7 11}	SET OF ObjectInstance	c4		o.14		o.14		–		–		o.14		
c4: if F.21/1a then o.14 else –																

F.4.1.7 The Resource TypeId managed object

TABLE F.7

resourceTypeId Attribute support

				Set by create		Get		Replace		Add		Remove		Set to default		
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	–		o.14		–		–		–		–		
2	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	–		o.14		–		–		–		–		
3	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectClass	{2 9 3 2 7 65}	ObjectClass	–		o.14		–		–		–		–		
4	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	–		o.14		–		–		–		–		
5	resourceInfo	{1 2 840 10011 7 2}	SEQUENCE	–		o.14		–		–		–		–		
6	resourceTypeIdName	{1 2 840 10011 7 1}	GraphicString	–		o.14		–		–		–		–		

F.4.1.8 The LAPB Single Link Protocol Connection managed object

TABLE F.8

sLPConnection Attribute support

				Set by create		Get		Replace		Add		Remove		Set to default		
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	–		o.14		–		–		–		–		
2	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": connectionId	{2 9 3 5 7 1}	GraphicString	–		o.14		–		–		–		–		
3	fCSErrorsReceived	{2 15 0 7 15}	INTEGER	–		o.14		–		–		–		–		
4	fRMRsReceived	{2 15 0 7 1}	INTEGER	–		o.14		–		–		–		–		
5	fRMRsSent	{2 15 0 7 2}	INTEGER	–		o.14		–		–		–		–		
6	iFrameDataOctetsReceived	{2 15 0 7 16}	INTEGER	–		o.14		–		–		–		–		
7	iFrameDataOctetsSent	{2 15 0 7 17}	INTEGER	–		o.14		–		–		–		–		
8	iFramesReceived	{2 15 0 7 3}	INTEGER	–		o.14		–		–		–		–		
9	iFramesSent	{2 15 0 7 4}	INTEGER	–		o.14		–		–		–		–		
10	interfaceType	{2 15 0 7 18}	ENUMERATED	–		o.14		o.14		–		–		o.14		
11	k	{2 15 0 7 19}	CHOICE	–		o.14		o.14		–		–		o.14		
12	n1	{2 15 0 7 20}	INTEGER	–		o.14		o.14		–		–		o.14		
13	n2	{2 15 0 7 21}	INTEGER	–		o.14		o.14		–		–		o.14		
14	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	–		o.14		–		–		–		–		
15	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectClass	{2 9 3 2 7 65}	ObjectClass	–		o.14		–		–		–		–		
16	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	–		o.14		–		–		–		–		
17	pollsReceived	{2 15 0 7 22}	INTEGER	–		o.14		–		–		–		–		
18	rEJsReceived	{2 15 0 7 5}	INTEGER	–		o.14		–		–		–		–		
19	rEJsSent	{2 15 0 7 6}	INTEGER	–		o.14		–		–		–		–		
20	rNRsReceived	{2 15 0 7 7}	INTEGER	–		o.14		–		–		–		–		
21	rNRsSent	{2 15 0 7 8}	INTEGER	–		o.14		–		–		–		–		
22	sABMsReceived	{2 15 0 7 9}	INTEGER	–		o.14		–		–		–		–		
23	sABMsSent	{2 15 0 7 10}	INTEGER	–		o.14		–		–		–		–		
24	sLPProtocolState	{2 15 0 7 23}	ENUMERATED	–		o.14		–		–		–		–		

TABLE F.8 *(concluded)*

sLPConnection Attribute support

				Set by create		Get		Replace		Add		Remove		Set to default		
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Additional information
25	sequenceModulus	{2 15 0 7 24}	INTEGER	–		o.14		o.14		–		–		o.14		
26	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": supportedConnectionNames	{2 9 3 5 7 12}	SET OF ObjectInstance	–		o.14		–		–		–		–		
27	t1Timer	{2 15 0 7 25}	SEQUENCE	–		o.14		o.14		–		–		o.14		
28	t2Timer	{2 15 0 7 26}	SEQUENCE	–		o.14		o.14		–		–		o.14		
29	t3Timer	{2 15 0 7 27}	SEQUENCE	–		o.14		o.14		–		–		o.14		
30	t4Timer	{2 15 0 7 28}	SEQUENCE	–		o.14		o.14		–		–		o.14		
31	timesT1Expired	{2 15 0 7 29}	INTEGER	–		o.14		–		–		–		–		
32	timesT3Expired	{2 15 0 7 30}	INTEGER	–		o.14		o.14		–		–		o.14		
33	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": underlyingConnectionNames	{2 9 3 5 7 14}	SET OF ObjectInstance	–		o.14		–		–		–		–		

F.4.1.9 The LAPB Single Link Protocol Connection Initial Values managed object

TABLE F.9

sLPConnectionIVMO Attribute support

				Set by create		Get		Replace		Add		Remove		Set to default		
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	o.14		o.14		–		–		–		–		
2	interfaceType	{2 15 0 7 18}	ENUMERATED	o.14		o.14		o.14		–		–		o.14		
3	k	{2 15 0 7 19}	CHOICE	o.14		o.14		o.14		–		–		o.14		
4	n1	{2 15 0 7 20}	INTEGER	o.14		o.14		o.14		–		–		o.14		
5	n2	{2 15 0 7 21}	INTEGER	o.14		o.14		o.14		–		–		o.14		
6	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	o.14		o.14		–		–		–		–		
7	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectClass	{2 9 3 2 7 65}	ObjectClass	o.14		o.14		–		–		–		–		
8	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	o.14		o.14		–		–		–		–		
9	sLPConnectionIVMOId	{2 15 0 7 31}	GraphicString	o.14		o.14		–		–		–		–		
10	sequenceModulus	{2 15 0 7 24}	INTEGER	o.14		o.14		o.14		–		–		o.14		
11	t1Timer	{2 15 0 7 25}	SEQUENCE	o.14		o.14		o.14		–		–		o.14		
12	t2Timer	{2 15 0 7 26}	SEQUENCE	o.14		o.14		o.14		–		–		o.14		
13	t3Timer	{2 15 0 7 27}	SEQUENCE	o.14		o.14		o.14		–		–		o.14		
14	t4Timer	{2 15 0 7 28}	SEQUENCE	o.14		o.14		o.14		–		–		o.14		

F.4.1.10 The LAPB Single Link Protocol Machine managed object

TABLE F.10

sLPPM Attribute support

				Set by creeate		Get		Replace		Add		Remove		Set to default		
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c5		o.14		–		–		–		–		
2	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": coProtocolMachineId	{2 9 3 5 7 3}	GraphicString	c5		o.14		–		–		–		–		
3	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	c5		o.14		–		–		–		–		
4	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectClass	{2 9 3 2 7 65}	ObjectClass	c5		o.14		–		–		–		–		
5	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": operationalState	{2 9 3 2 7 35}	ENUMERATED	–		o.14		–		–		–		–		
6	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c5		o.14		–		–		–		–		
c5: if F.23/1a then o.14 else –																

F.4.2 Attribute groups

The specifier of a manager role implementation that claims to support management operations on the attribute groups specified in this Recommendation shall import a copy of the following tables and complete them.

F.4.2.1 The LAPB Data Link Entity managed object

TABLE F.11

lAPBDLE Attribute group support

				Get		Set to default		
Index	Attribute group template label	Value of object identifier for attribute group	Constraints and values	Status	Support	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": state	{2 9 3 2 8 1}	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": operationalState	o.14		–		
2	timers	{2 15 0 8 1}	mT1Timer mT2Timer mT3Timer	o.14		o.14		

F.4.2.2 The LLC Data Link Entity managed object

TABLE F.12

lLCDLE Attribute group support

				Get		Set to default		
Index	Attribute group template label	Value of object identifier for attribute group	Constraints and values	Status	Support	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": state	{2 9 3 2 8 1}	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": operationalState	o.14		–		

F.4.2.3 The MAC Data Link Entity managed object

TABLE F.13

mACDLE Attribute group support

				Get		Set to default		
Index	Attribute group template label	Value of object identifier for attribute group	Constraints and values	Status	Support	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": state	{2 9 3 2 8 1}	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": operationalState	o.14		–		

F.4.2.4 The LAPB Single Link Protocol Connection managed object

TABLE F.14

sLPConnection Attribute group support

				Get		Set to default		
Index	Attribute group template label	Value of object identifier for attribute group	Constraints and values	Status	Support	Status	Support	Additional information
1	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": counters	{2 9 3 5 8 0}	fCSErrorsReceived fRMRsReceived fRMRsSent iFrameDataOctetsReceived iFrameDataOctetsSent iFramesReceived iFramesSent pollsReceived rEJsReceived rEJsSent rNRsReceived rNRsSent sABMsReceived sABMsSent timesT1Expired timerT3Expired (condition)	o.14		–		
2	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": state	{2 9 3 2 8 1}	sLPProtocolState	o.14		–		
3	timers	{2 15 0 8 1}	t1Timer t2Timer t4Timer t3Timer (condition)	o.14		o.14		

F.4.2.5 The LAPB Single Link Protocol Connection Initial Values managed object

TABLE F.15

sLPConnectionIVMO Attribute group support

				Get		Set to default		
Index	Attribute group template label	Value of object identifier for attribute group	Constraints and values	Status	Support	Status	Support	Additional information
1	timers	{2 15 0 8 1}	t1Timer t2Timer t4Timer t3Timer (condition)	o.14		o.14		

F.4.2.6 The LAPB Single Link Protocol Machine managed object

TABLE F.16

sLPPM Attribute group support

				Get		Set to default		
Index	Attribute group template label	Value of object identifier for attribute group	Constraints and values	Status	Support	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": state	{2 9 3 2 8 1}	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": operationalState	o.14		–		

F.4.3 Create and delete management operations

The specifier of a manager role implementation that claims to support the create or delete management operations on the managed objects specified in this Recommendation shall import a copy of the following tables and complete them.

F.4.3.1 The Data Link Service Access Point managed object

TABLE F.17

Create and delete support

Index	Operation	Constraints and values	Status	Support	Additional information
1	Create support	dLSAP MO	o		
1.1	Create with reference object	–	–		
2	Delete support	dLSAP MO	o		

F.4.3.2 The EWMA Metric Monitor managed object

TABLE F.18

Create and delete support

Index	Operation	Constraints and values	Status	Support	Additional information
1	Create support	eWMAMetricMonitor MO	o.14		
1.1	Create with reference object	–	–		
2	Delete support	eWMAMetricMonitor MO	o.14		

F.4.3.3 The LAPB Data Link Entity managed object

TABLE F.19

Create and delete support

Index	Operation	Constraints and values	Status	Support	Additional information
1	Create support	lAPBDLE MO	o		
1.1	Create with reference object	–	–		
2	Delete support	lAPBDLE MO	o		

F.4.3.4 The LLC Data Link Entity managed object

TABLE F.20

Create and delete support

Index	Operation	Constraints and values	Status	Support	Additional information
1	Create support	lLCDLE MO	o		
1.1	Create with reference object	–	–		
2	Delete support	lLCDLE MO	o		

F.4.3.5 The MAC Data Link Entity managed object

TABLE F.21

Create and delete support

Index	Operation	Constraints and values	Status	Support	Additional information
1	Create support	mACDLE MO	o		
1.1	Create with reference object	–	–		
2	Delete support	mACDLE MO	o		

F.4.3.6 The LAPB Single Link Protocol Connection Initial Values managed object

TABLE F.22

Create and delete support

Index	Operation	Constraints and values	Status	Support	Additional information
1	Create support	sLPConnectionIVMO	o.14		
1.1	Create with reference object	–	–		
2	Delete support	sLPConnectionIVMO	o.14		

F.4.3.7 The LAPB Single Link Protocol Machine managed object

TABLE F.23

Create and delete support

Index	Operation	Constraints and values	Status	Support	Additional information
1	Create support	sLPPM MO	o		
1.1	Create with reference object	–	–		
2	Delete support	sLPPM MO	o		

F.4.4 Notifications

The specifier of a manager role implementation that claims to support the notifications specified in this Recommendation shall import a copy of Table F.24 and complete it.

TABLE F.24

Notification support

					Support									
Index	Notification type templace label	Value of object identifier for notification type	Constraints and values	Status	Con-firmed	Non-con-firmed	Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": attributeValueChange	{2 9 3 2 10 1}	–	c6				1.1	AttributeValueChangeInfo	–	**Information Syntax** SEQUENCE	c6		
								1.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	c:m		
								1.1.2	attributeIdentifierList	{2 9 3 2 7 8}	SET OF AttributeId	c:m		
								1.1.3	attributeValueChangeDefinition	{2 9 3 2 7 10}	SET OF SEQUENCE	c:m		
								1.1.3.1	attributeID	–	AttributeId	c:m		
								1.1.3.2	oldAttributeValue	–	ANY DEFINED BY attributeID	c:m		
								1.1.3.3	newAttributeValue	–	ANY DEFINED BY attributeID	c:m		
								1.1.4	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	c:m		
								1.1.5	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	c:m		
								1.1.5.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								1.1.5.2	sourceObjectInst	–	ObjectInstance	c:m		
								1.1.6	additionalText	{2 9 3 2 7 7}	GraphicString	c:m		
								1.1.7	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	c:m		
								1.1.7.1	identifier	–	OBJECT IDENTIFIER	c:m		
								1.1.7.2	significance	–	BOOLEAN	c:m		
								1.1.7.3	information	–	ANY DEFINED BY identifier	c:m		

TABLE F.24 *(continued)*

Notification support

Index	Notification type templace label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Con-firmed	Non-con-firmed								
2	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectCreation	{2 9 3 2 10 6}	–	c7				2.1	ObjectInfo	–	**Information Syntax** SEQUENCE	c7		
								2.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	c:m		
								2.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	c:m		
								2.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	c:m		
								2.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	c:m		
								2.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								2.1.4.2	sourceObjectInst	–	ObjectInstance	c:m		
								2.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	c:m		
								2.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	c:m		
								2.1.6.1	identifier	–	OBJECT IDENTIFIER	c:m		
								2.1.6.2	significance	–	BOOLEAN	c:m		
								2.1.6.3	information	–	ANY DEFINED BY identifier	c:m		
3	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectDeletion	{2 9 3 2 10 7}	–	c8				3.1	ObjectInfo	–	**Information Syntax** SEQUENCE	c8		
								3.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	c:m		
								3.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	c:m		
								3.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	c:m		
								3.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	c:m		
								3.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								3.1.4.2	sourceObjectInst	–	ObjectInstance	c:m		
								3.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	c:m		

TABLE F.24 *(continued)*

Notification support

Index	Notification type templace label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Con-firmed	Non-con-firmed								
								3.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	c:m		
								3.1.6.1	identifier	–	OBJECT IDENTIFIER	c:m		
								3.1.6.2	significance	–	BOOLEAN	c:m		
								3.1.6.3	information	–	ANY DEFINED BY identifier	c:m		
4	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": qualityofServiceAlarm	{2 9 3 2 10 11}	–	c9				4.1	AlarmInfo	–	**Information Syntax** SEQUENCE	c9		
								4.1.1	probableCause	{2 9 3 2 7 18}	CHOICE	c:m		
								4.1.1.1	globalValue	–	OBJECT IDENTIFIER	c:m		
								4.1.1.2	localValue	–	INTEGER	c:m		
								4.1.2	specificProblems	{2 9 3 2 7 27}	SET OF CHOICE	c:m		
								4.1.2.1	OBJECT IDENTIFIER	–	OBJECT IDENTIFIER	c:m		
								4.1.2.2	INTEGER	–	INTEGER	c:m		
								4.1.3	perceivedSeverity	{2 9 3 2 7 17}	ENUMERATED	c:m		
								4.1.4	backedUpStatus	{2 9 3 2 7 11}	BOOLEAN	c:m		
								4.1.5	backUpObject	{2 9 3 2 7 40}	ObjectInstance	c:m		
								4.1.6	trendIndication	{2 9 3 2 7 30}	ENUMERATED	c:m		
								4.1.7	thresholdInfo	{2 9 3 2 7 29}	SEQUENCE	c:m		
								4.1.7.1	triggeredThreshold	–	AttributeId	c:m		
								4.1.7.2	observedValue	–	CHOICE	c:m		
								4.1.7.2.1	integer	–	INTEGER	c:m		
								4.1.7.2.2	real	–	REAL	c:m		
								4.1.7.3	thresholdLevel	–	CHOICE	c:m		
								4.1.7.3.1	up	–	SEQUENCE	c:m		
								4.1.7.3.1.1	high	–	CHOICE	c:m		
								4.1.7.3.1.1.1	integer	–	INTEGER	c:m		
								4.1.7.3.1.1.2	real	–	REAL	c:m		

TABLE F.24 *(continued)*

Notification support

Index	Notification type templace label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Con-firmed	Non-con-firmed								
								4.1.7.3.1.2	low	–	CHOICE	c:m		
								4.1.7.3.1.2.1	integer	–	INTEGER	c:m		
								4.1.7.3.1.2.2	real	–	REAL	c:m		
								4.1.7.3.2	down	–	SEQUENCE	c:m		
								4.1.7.3.2.1	high	–	CHOICE	c:m		
								4.1.7.3.2.1.1	integer	–	INTEGER	c:m		
								4.1.7.3.2.1.2	real	–	REAL	c:m		
								4.1.7.3.2.2	low	–	CHOICE	c:m		
								4.1.7.3.2.2.1	integer	–	INTEGER	c:m		
								4.1.7.3.2.2.2	real	–	REAL	c:m		
								4.1.7.4	armTime	–	GeneralizedTime	c:m		
								4.1.8	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	c:m		
								4.1.9	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	c:m		
								4.1.9.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								4.1.9.2	sourceObjectInst	–	ObjectInstance	c:m		
								4.1.10	stateChangeDefinition	{2 9 3 2 7 28}	SET OF SEQUENCE	c:m		
								4.1.10.1	attributeID	–	AttributeId	c:m		
								4.1.10.2	oldAttributeValue	–	ANY DEFINED BY attributeID	c:m		
								4.1.10.3	newAttributeValue	–	ANY DEFINED BY attributeID	c:m		
								4.1.11	monitoredAttributes	{2 9 3 2 7 15}	SET OF Attribute	c:m		
								4.1.12	proposedRepairActions	{2 9 3 2 7 19}	SET OF CHOICE	c:m		
								4.1.12.1	OBJECT IDENTIFIER	–	OBJECT IDENTIFIER	c:m		
								4.1.12.2	INTEGER	–	INTEGER	c:m		
								4.1.13	additionalText	{2 9 3 2 7 7}	GraphicString	c:m		

TABLE F.24 *(continued)*

Notification support

Index	Notification type templace label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Con-firmed	Non-con-firmed								
								4.1.14	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	c:m		
								4.1.14.1	identifier	–	OBJECT IDENTIFIER	c:m		
								4.1.14.2	significance	–	BOOLEAN	c:m		
								4.1.14.3	information	–	ANY DEFINED BY identifier	c:m		
5	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": communicationsAlarm	{2 9 3 2 10 2}	–	c10				5.1	AlarmInfo	–	**Information Syntax** SEQUENCE	c10		
								5.1.1	probableCause	{2 9 3 2 7 18}	CHOICE	c:m		
								5.1.1.1	globalValue	–	OBJECT IDENTIFIER	c:m		
								5.1.1.2	localValue	–	INTEGER	c:m		
								5.1.2	specificProblems	{2 9 3 2 7 27}	SET OF CHOICE	c:m		
								5.1.2.1	OBJECT IDENTIFIER	–	OBJECT IDENTIFIER	c:m		
								5.1.2.2	INTEGER	–	INTEGER	c:m		
								5.1.3	perceivedSeverity	{2 9 3 2 7 17}	ENUMERATED	c:m		
								5.1.4	backedUpStatus	{2 9 3 2 7 11}	BOOLEAN	c:m		
								5.1.5	backUpObject	{2 9 3 2 7 40}	ObjectInstance	c:m		
								5.1.6	trendIndication	{2 9 3 2 7 30}	ENUMERATED	c:m		
								5.1.7	thresholdInfo	{2 9 3 2 7 29}	SEQUENCE	c:m		
								5.1.7.1	triggeredThreshold	–	AttributeId	c:m		
								5.1.7.2	observedValue	–	CHOICE	c:m		
								5.1.7.2.1	integer	–	INTEGER	c:m		
								5.1.7.2.2	real	–	REAL	c:m		
								5.1.7.3	thresholdLevel	–	CHOICE	c:m		
								5.1.7.3.1	up	–	SEQUENCE	c:m		
								5.1.7.3.1.1	high	–	CHOICE	c:m		
								5.1.7.3.1.1.1	integer	–	INTEGER	c:m		
								5.1.7.3.1.1.2	real	–	REAL	c:m		

Superseded by a more recent version

TABLE F.24 *(continued)*

Notification support

Index	Notification type templace label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Con-firmed	Non-con-firmed								
								5.1.7.3.1.2	low	–	CHOICE	c:m		
								5.1.7.3.1.2.1	integer	–	INTEGER	c:m		
								5.1.7.3.1.2.2	real	–	REAL	c:m		
								5.1.7.3.2	down	–	SEQUENCE	c:m		
								5.1.7.3.2.1	high	–	CHOICE	c:m		
								5.1.7.3.2.1.1	integer	–	INTEGER	c:m		
								5.1.7.3.2.1.2	real	–	REAL	c:m		
								5.1.7.3.2.2	low	–	CHOICE	c:m		
								5.1.7.3.2.2.1	integer	–	INTEGER	c:m		
								5.1.7.3.2.2.2	real	–	REAL	c:m		
								5.1.7.4	armTime	–	GeneralizedTime	c:m		
								5.1.8	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	c:m		
								5.1.9	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	c:m		
								5.1.9.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								5.1.9.2	sourceObjectInst	–	ObjectInstance	c:m		
								5.1.10	stateChangeDefinition	{2 9 3 2 7 28}	SET OF SEQUENCE	c:m		
								5.1.10.1	attributeID	–	AttributeId	c:m		
								5.1.10.2	oldAttributeValue	–	ANY DEFINED BY attributeID	c:m		
								5.1.10.3	newAttributeValue	–	ANY DEFINED BY attributeID	c:m		
								5.1.11	monitoredAttributes	{2 9 3 2 7 15}	SET OF Attribute	c:m		
								5.1.12	proposedRepairActions	{2 9 3 2 7 19}	SET OF CHOICE	c:m		
								5.1.12.1	OBJECT IDENTIFIER	–	OBJECT IDENTIFIER	c:m		
								5.1.12.2	INTEGER	–	INTEGER	c:m		
								5.1.13	additionalText	{2 9 3 2 7 7}	GraphicString	c:m		

TABLE F.24 *(continued)*

Notification support

Index	Notification type templace label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Con-firmed	Non-con-firmed								
								5.1.14	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	c:m		
								5.1.14.1	identifier	–	OBJECT IDENTIFIER	c:m		
								5.1.14.2	significance	–	BOOLEAN	c:m		
								5.1.14.3	information	–	ANY DEFINED BY identifier	c:m		
6	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": stateChange	{2 9 3 2 10 14}	–	c11				6.1	StateChangeInfo	–	**Information Syntax** SEQUENCE	c11		
								6.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	c:m		
								6.1.2	attributeIdentifierList	{2 9 3 2 7 8}	SET OF AttributeId	c:m		
								6.1.3	stateChangeDefinition	{2 9 3 2 7 28}	SET OF SEQUENCE	c:m		
								6.1.3.1	attributeID	–	AttributeId	c:m		
								6.1.3.2	oldAttributeValue	–	ANY DEFINED BY attributeID	c:m		
								6.1.3.3	newAttributeValue	–	ANY DEFINED BY attributeID	c:m		
								6.1.4	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	c:m		
								6.1.5	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	c:m		
								6.1.5.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								6.1.5.2	sourceObjectInst	–	ObjectInstance	c:m		
								6.1.6	additionalText	{2 9 3 2 7 7}	GraphicString	c:m		

TABLE F.24 *(concluded)*

Notification support

Index	Notification type templace label	Value of object identifier for notification type	Constraints and values	Status	Support: Con-firmed	Support: Non-con-firmed	Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
								6.1.7	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	c:m		
								6.1.7.1	identifier	–	OBJECT IDENTIFIER	c:m		
								6.1.7.2	significance	–	BOOLEAN	c:m		
								6.1.7.3	information	–	ANY DEFINED BY identifier	c:m		

c6: if E.3/2a then m else –
c7: if E.3/3a or E.3/7a or E.3/10a or E.3/13a or E.3/18a or E.3/20a or E.3/24a then m else –
c8: if E.3/4a or E.3/8a or E.3/11a or E.3/14a or E.3/19a or E.3/21a or E.3/25a then m else –
c9: if E.3/5a then m else –
c10: if E.3/17a then m else –
c11: if E.3/6a or E.3/9a or E.3/12a or E.3/15a or E.3/26a then m else –

F.4.5 Actions

The specifier of a manager role implementation that claims to support the actions specified in this Recommendation shall import a copy of Table F.25 and complete it.

TABLE F.25

Action support

Index	Action type template label	Value of object identifier for action type	Constraints and values	Status	Support	Additional information	Subindex	Action field name label	Constraints and values	Status	Support	Additional information
1	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": activate	{2 9 3 5 9 0}		c12			1.1	ActionInfo	**Information Syntax** SET OF SEQUENCE	c12		
							1.1.1	identifier	OBJECT IDENTIFIER	c:m		
							1.1.2	significance	BOOLEAN	c:o		
							1.1.3	information	ANY DEFINED BY identifier	c:m		
							1.2	ActionReply	**Reply Syntax** SET OF SEQUENCE	c:m		
							1.2.1	identifier	OBJECT IDENTIFIER	c:m		
							1.2.2	significance	BOOLEAN	c:o		
							1.2.3	information	ANY DEFINED BY identifier	c:m		
2	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": deactivate	{2 9 3 5 9 1}		c13			2.1	ActionInfo	**Information Syntax** SET OF SEQUENCE	c13		
							2.1.1	identifier	OBJECT IDENTIFIER	c:m		
							2.1.2	significance	BOOLEAN	c:o		
							2.1.3	information	ANY DEFINED BY identifier	c:m		
							2.2	ActionReply	**Reply Syntax** SET OF SEQUENCE	c:m		
							2.2.1	identifier	OBJECT IDENTIFIER	c:m		
							2.2.2	significance	BOOLEAN	c:o		
							2.2.3	information	ANY DEFINED BY identifier	c:m		
c12: if E.3/22a then m else – c13: if E.3/16a or E.3/23 then m else –												

F.4.6 Parameters

The specifier of a manager role implementation that claims to support the parameters specified in this Recommendation shall import a copy of Table F.26 and complete it.

TABLE F.26

Parameter support

Index	Parameter template label	Value of object identifier for parameter	Constraints and values	Status	Support	Additional information
1	derivedGaugeNotCurrent	{1 2 840 10011 5 0}	SPECIFIC-ERROR DerivedGauge	c14		
2	fRMR	{2 15 0 5 1}	EVENT-INFO communicationsAlarm	c15		
c14: if F.3/5a or F.3/5b or F.3/5c then m else – c15: if F.17/5a then m else –						

Annex G[4)]

MOCS proforma

G.1 Introduction

The purpose of this MOCS proforma is to provide a mechanism for a supplier of an implementation of a Recommendation which claims conformance to a managed object class, to provide conformance information in a standard form.

G.1.1 Instructions for completing the MOCS proforma to produce a MOCS[5)]

The MOCS proforma contained in this annex is comprised of information in tabular form, in accordance with ITU-T Rec X.724 | ISO/IEC 10165-6. The supplier of the implementation shall state which items are supported in the tables below and if necessary provide additional information.

G.1.2 Symbols, abbreviations and terms

The MOCS proforma contained in this annex is comprised of information in tabular form, in accordance with CCITT Rec. X.291 and ISO/IEC 9646-2.

The notations used in the Status and Support columns are specified in E.1.3.

[4)] **Copyright release for MOCS proforma**

Users of this Recommendation may freely reproduce the MOCS proforma in this annex so that it can be used for its intended purpose, and may further publish the completed MOCS.

[5)] Instructions for MOCS proforma are specified in ITU-T Rec. X.724 | ISO/IEC 10165-6.

G.2 The Data Link Service Access Point managed object

G.2.1 Statement of conformance to the managed object class

TABLE G.1

dLSAP Managed object class support

Index	Managed object class template label	Value of object identifier for class	Support of all mandatory features? (Y/N)	Is the actual class the same as the managed object class to which conformance is claimed? (Y/N)
1	dLSAP	{2 15 0 3 13}		

If the answer to the actual class question in Table G.1 is no, the supplier of the implementation shall fill in the actual class support Table G.2.

TABLE G.2

dLSAP Actual class support

Index	Managed object class template for actual class	Value of object identifier for managed object class definition of actual class	Additional information

G.2.2 Packages

The supplier of the implementation shall state whether or not the packages specified by this managed object of this class are supported, in Table G.3.

TABLE G.3

dLSAP Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992":	{2 9 3 2 4 17}	"if an object supports allomorphism"	c1		
2	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": packagesPackage	{2 9 3 2 4 16}	"any registered package, other than this package has been instantiated"	c2		
3	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": sap1P1		Mandatory	m		
4	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": topPackage		Mandatory	m		
c1: if G.1/1b then – else m c2: if G.3/1a then m else –						

G.2.3 Attributes

The supplier of the implementation shall state whether or not the attributes specified by all of the packages instantiated in a managed object of this class are supported, in the Support and Additional information columns of Table G.4. The supplier of the implementation shall indicate support for each of the operations for each attribute supported.

TABLE G.4

dLSAP Attribute support

				Set by create		Get		Replace		Add		Remove		Set to default		
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c3		c4		–		–		–		–		
2	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	c5		m		x		–		–		x		
3	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectClass	{2 9 3 2 7 65}	ObjectClass	c6		m		x		–		–		x		
4	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c7		c8		c9		c9		c9		c9		
5	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": sap1Address	{2 9 3 5 7 8}	INTEGER	c10		m		c10		–		–		c10		
6	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": sapId	{2 9 3 5 7 10}	GraphicString	c5		m		x		–		–		x		
7	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": userEntityNames	{2 9 3 5 7 15}	SET OF ObjectInstance	c10		m		c11		c11		c11		c11		

c3: if G.3/1a then (if H.1/1a then o else x) else –
c4: if G.3/1a then m else –
c5: if H.1/1a then o else x
c6: if H.1/1a then m else –
c7: if G.3/2a then (if H.1/1a then o else x) else –
c8: if G.3/2a then m else –
c9: if G.3/2a then x else –
c10: if G.1/1b or H.1/2a then x else –
c11: if G.1/1b then x else –

G.3 The Data Link Subsystem managed object

G.3.1 Statement of conformance to the managed object class

TABLE G.5

datalinkSubsystem Managed object class support

Index	Managed object class template label	Value of object identifier for class	Support of all mandatory features? (Y/N)	Is the actual class the same as the managed object class to which conformance is claimed? (Y/N)
1	datalinkSubsystem	{2 15 0 3 1}		

If the answer to the actual class question in Table G.5 is no, the supplier of the implementation shall fill in the actual class support Table G.6.

TABLE G.6

datalinkSubsystem Actual class support

Index	Managed object class template for actual class	Value of object identifier for managed object class definition of actual class	Additional information

G.3.2 Packages

The supplier of the implementation shall state whether or not the packages specified by this managed object of this class are supported, in Table G.7.

TABLE G.7

datalinkSubsystem Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992":	{2 9 3 2 4 17}	"if an object supports allomorphism"	c12		
2	datalinkSubsystem-P		Mandatory	m		
3	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": packagesPackage	{2 9 3 2 4 16}	"any registered package, other than this package has been instantiated"	c13		
4	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": subsystemP1		Mandatory	m		
5	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": topPackage		Mandatory	m		
c12: if G.5/1b then – else m c13: if G.7/1a then m else –						

G.3.3 Attributes

The supplier of the implementation shall state whether or not the attributes specified by all of the packages instantiated in a managed object of this class are supported, in the Support and Additional information columns of Table G.8. The supplier of the implementation shall indicate support for each of the operations for each attribute supported.

TABLE G.8

datalinkSubsystem Attribute support

				Set by create		Get		Replace		Add		Remove		Set to default		
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c14		c15		–		–		–		–		
2	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	x		m		x		–		–		x		
3	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectClass	{2 9 3 2 7 65}	ObjectClass	x		m		x		–		–		x		
4	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c16		c17		c16		c16		c16		c16		
5	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": subsystemId	{2 9 3 5 7 11}	GraphicString	x		m		x		–		–		x		
c14: if G.7/1a then x else – c15: if G.7/1a then m else – c16: if G.7/3a then x else – c17: if G.7/3a then m else –																

G.4 The EWMA Metric Monitor managed object

G.4.1 Statement of conformance to the managed object class

TABLE G.9

eWMAMetricMonitor Managed object class support

Index	Managed object class template label	Value of object identifier for class	Support of all mandatory features? (Y/N)	Is the actual class the same as the managed object class to which conformance is claimed? (Y/N)
1	eWMAMetricMonitor	{1 2 840 10011 3 2}		

If the answer to the actual class question in Table G.9 is no, the supplier of the implementation shall fill in the actual class support Table G.10.

TABLE G.10

eWMAMetricMonitor Actual class support

Index	Managed object class template for actual class	Value of object identifier for managed object class definition of actual class	Additional information

G.4.2 Packages

The supplier of the implementation shall state whether or not the packages specified by this managed object of this class are supported, in Table G.11.

TABLE G.11

eWMAMetricMonitor Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": allomorphicPackage	{2 9 3 2 4 17}	"if an object supports allomorphism"	c18		
2	configurationEventsReporting-P	{1 2 840 10011 4 1}	"configuration event reporting is supported."	o		
3	counterDifference-P	{1 2 840 10011 4 0}	"counter to gauge conversion is requested"	o		
4	counterOverflow-P	{1 2 840 10011 4 2}	"the counterDifference-P package is present and module arithmetic is required to calculate the new value of the derived gauge on counter overflow"	c19		
5	eWMAMetricMonitor-P		Mandatory	m		
6	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": packagesPackage	{2 9 3 2 4 16}	"any registered package, other than this package has been instantiated"	c20		
7	scanner-P		Mandatory	m		
8	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": topPackage		Mandatory	m		
c18: if G.9/1b then – else m c19: if G.11/3a then o else – c20: if G.11/1a or G.11/2a or G.11/3a or G.11/4a then m else –						

G.4.3 Attributes

The supplier of the implementation shall state whether or not the attributes specified by all of the packages instantiated in a managed object of this class are supported, in the Support and Additional information columns of Table G.12. The supplier of the implementation shall indicate support for each of the operations for each attribute supported.

TABLE G.12

eWMAMetricMonitor Attribute support

				Set by create		Get		Replace		Add		Remove		Set to default		
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": administrativeState	{2 9 3 2 7 31}	ENUMERATED	m		m		m		–		–		c21		
2	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c22		c23		–		–		–		–		
3	counterModulus	{1 2 840 10011 7 5}	INTEGER	c24		c24		c24		–		–		c21		
4	counterTMinusGP	{1 2 840 10011 7 4}	INTEGER	c25		c25		c25		–		–		c21		
5	derivedGauge	{1 2 840 10011 7 6}	CHOICE derivedGaugeNotCurrent	m		m		m		–		–		c21		
6	estimateOfMean	{1 2 840 10011 7 7}	CHOICE	m		m		m		–		–		c21		
7	granularityPeriod	{1 2 840 10011 7 8}	CHOICE	m		m		m		–		–		c21		
8	movingTimePeriod	{1 2 840 10011 7 12}	CHOICE	m		m		m		–		–		c21		
9	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	o		m		x		–		–		x		
10	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectClass	{2 9 3 2 7 65}	ObjectClass	m		m		x		–		–		x		
11	observedAttributeId	{1 2 840 10011 7 9}	AttributeId	m		m		m		–		–		c21		
12	observedManagedObjectInstance	{1 2 840 10011 7 10}	ObjectInstance	m		m		m		–		–		c21		
13	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": operationalState	{2 9 3 2 7 35}	ENUMERATED	x		m		x		–		–		x		
14	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c26		c27		c28		c28		c28		c28		
15	scannerId	{1 2 840 10011 7 3}	GraphicString	o		m		x		–		–		x		
16	severityIndicatingThreshold	{1 2 840 10011 7 11}	SET OF SEQUENCE	m		m		m		m		m		c21		

c21: if G.9/1b then x else –

c22: if G.11/1a then o else –

c23: if G.11/1a then m else –

c24: if G.11/4a then m else –

c25: if G.11/3a then m else –

c26: if G.11/6a then o else –

c27: if G.11/6a then m else –

c28: if G.11/6a then x else –

G.4.4 Notifications

TABLE G.13

eWMAMetricMonitor Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Con-firmed	Non-con-firmed								
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": attributeValueChange	{2 9 3 2 10 1}	–	c29				1.1	AttributeValueChangeInfo	–	**Information Syntax** SEQUENCE	c29		
								1.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	c:o		
								1.1.2	attributeIdentifierList	{2 9 3 2 7 8}	SET OF AttributeId	c:o		
								1.1.3	attributeValueChangeDefinition	{2 9 3 2 7 10}	SET OF SEQUENCE	c:m		
								1.1.3.1	attributeID	–	AttributeId	c:m		
								1.1.3.2	oldAttributeValue	–	ANY DEFINED BY attributeID	c:o		
								1.1.3.3	newAttributeValue	–	ANY DEFINED BY attributeID	c:m		
								1.1.4	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	c:o		
								1.1.5	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	c:o		
								1.1.5.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								1.1.5.2	sourceObjectInst	–	ObjectInstance	c:o		
								1.1.6	additionalText	{2 9 3 2 7 7}	GraphicString	c:o		
								1.1.7	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	c:o		
								1.1.7.1	identifier	–	OBJECT IDENTIFIER	c:m		
								1.1.7.2	significance	–	BOOLEAN	c:o		
								1.1.7.3	information	–	ANY DEFINED BY identifier	c:m		

TABLE G.13 *(continued)*

eWMAMetricMonitor Notification support

					Support									
Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Con-firmed	Non-con-firmed	Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
2	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectCreation	{2 9 3 2 10 6}	–	c29				2.1	ObjectInfo	–	**Information Syntax** SEQUENCE	c29		
								2.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	c:o		
								2.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	c:o		
								2.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	c:o		
								2.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	c:o		
								2.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								2.1.4.2	sourceObjectInst	–	ObjectInstance	c:o		
								2.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	c:o		
								2.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	c:o		
								2.1.6.1	identifier	–	OBJECT IDENTIFIER	c:m		
								2.1.6.2	significance	–	BOOLEAN	c:o		
								2.1.6.3	information	–	ANY DEFINED BY identifier	c:m		
3	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectDeletion	{2 9 3 2 10 7}	–	c29				3.1	ObjectInfo	–	**Information Syntax** SEQUENCE	c29		
								3.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	c:o		
								3.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	c:o		
								3.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	c:o		
								3.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	c:o		
								3.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								3.1.4.2	sourceObjectInst	–	ObjectInstance	c:o		
								3.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	c:o		

TABLE G.13 *(continued)*

eWMAMetricMonitor Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Con-firmed	Non-con-firmed								
								3.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	c:o		
								3.1.6.1	identifier	–	OBJECT IDENTIFIER	c:m		
								3.1.6.2	significance	–	BOOLEAN	c:o		
								3.1.6.3	information	–	ANY DEFINED BY identifier	c:m		
4	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": qualityof ServiceAlarm	{2 9 3 2 10 11}	–	m				4.1	AlarmInfo	–	**Information Syntax** SEQUENCE	m		
								4.1.1	probableCause	{2 9 3 2 7 18}	CHOICE	m		
								4.1.1.1	globalValue	–	OBJECT IDENTIFIER	o.1		
								4.1.1.2	localValue	–	INTEGER	o.1		
								4.1.2	specificProblems	{2 9 3 2 7 27}	SET OF CHOICE	o		
								4.1.2.1	OBJECT IDENTIFIER	–	OBJECT IDENTIFIER	c:o.2		
								4.1.2.2	INTEGER	–	INTEGER	c:o.2		
								4.1.3	perceivedSeverity	{2 9 3 2 7 17}	ENUMERATED	m		
								4.1.4	backedUpStatus	{2 9 3 2 7 11}	BOOLEAN	o		
								4.1.5	backUpObject	{2 9 3 2 7 40}	ObjectInstance	o		
								4.1.6	trendIndication	{2 9 3 2 7 30}	ENUMERATED	o		
								4.1.7	thresholdInfo	{2 9 3 2 7 29}	SEQUENCE	o		
								4.1.7.1	triggeredThreshold	–	AttributeId	c:m		
								4.1.7.2	observedValue	–	CHOICE	c:m		
								4.1.7.2.1	integer	–	INTEGER	c:o.3		
								4.1.7.2.2	real	–	REAL	c:o.3		
								4.1.7.3	thresholdLevel	–	CHOICE	c:o		
								4.1.7.3.1	up	–	SEQUENCE	c:o.4		
								4.1.7.3.1.1	high	–	CHOICE	c:m		
								4.1.7.3.1.1.1	integer	–	INTEGER	c:o.5		
								4.1.7.3.1.1.2	real	–	REAL	c:o.5		

TABLE G.13 *(continued)*

eWMAMetricMonitor Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Con-firmed	Non-con-firmed								
								4.1.7.3.1.2	low	–	CHOICE	c:o		
								4.1.7.3.1.2.1	integer	–	INTEGER	c:o.6		
								4.1.7.3.1.2.2	real	–	REAL	c:o.6		
								4.1.7.3.2	down	–	SEQUENCE	c:o.4		
								4.1.7.3.2.1	high	–	CHOICE	c:m		
								4.1.7.3.2.1.1	integer	–	INTEGER	c:o.7		
								4.1.7.3.2.1.2	real	–	REAL	c:o.7		
								4.1.7.3.2.2	low	–	CHOICE	c:m		
								4.1.7.3.2.2.1	integer	–	INTEGER	c:o.8		
								4.1.7.3.2.2.2	real	–	REAL	c:o.8		
								4.1.7.4	armTime	–	GeneralizedTime	c:o		
								4.1.8	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
								4.1.9	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								4.1.9.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								4.1.9.2	sourceObjectInst	–	ObjectInstance	c:o		
								4.1.10	stateChangeDefinition	{2 9 3 2 7 28}	SET OF SEQUENCE	o		
								4.1.10.1	attributeID	–	AttributeId	c:m		
								4.1.10.2	oldAttributeValue	–	ANY DEFINED BY attributeID	c:o		
								4.1.10.3	newAttributeValue	–	ANY DEFINED BY attributeID	c:m		
								4.1.11	monitoredAttributes	{2 9 3 2 7 15}	SET OF Attribute	o		
								4.1.12	proposedRepairActions	{2 9 3 2 7 19}	SET OF CHOICE	o		
								4.1.12.1	OBJECT IDENTIFIER	–	OBJECT IDENTIFIER	c:o.9		
								4.1.12.2	INTEGER	–	INTEGER	c:o.9		
								4.1.13	additionalText	{2 9 3 2 7 7}	GraphicString	o		
								4.1.14	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		

TABLE G.13 *(concluded)*

eWMAMetricMonitor Notification support

					Support									
Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Con-firmed	Non-con-firmed	Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
								4.1.14.1	identifier	–	OBJECT IDENTIFIER	c:m		
								4.1.14.2	significance	–	BOOLEAN	c:o		
								4.1.14.3	information	–	ANY DEFINED BY identifier	c:m		
5	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": stateChange	{2 9 3 2 10 14}	–	c29				5.1	StateChangeInfo	–	**Information Syntax** SEQUENCE	c29		
								5.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	c:o		
								5.1.2	attributeIdentifierList	{2 9 3 2 7 8}	SET OF AttributeId	c:o		
								5.1.3	stateChangeDefinition	{2 9 3 2 7 28}	SET OF SEQUENCE	c:m		
								5.1.3.1	attributeID	–	AttributeId	c:m		
								5.1.3.2	oldAttributeValue	–	ANY DEFINED BY attributeID	c:o		
								5.1.3.3	newAttributeValue	–	ANY DEFINED BY attributeID	c:m		
								5.1.4	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	c:o		
								5.1.5	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	c:o		
								5.1.5.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								5.1.5.2	sourceObjectInst	–	ObjectInstance	c:o		
								5.1.6	additionalText	{2 9 3 2 7 7}	GraphicString	c:o		
								5.1.7	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	c:o		
								5.1.7.1	identifier	–	OBJECT IDENTIFIER	c:m		
								5.1.7.2	significance	–	BOOLEAN	c:o		
								5.1.7.3	information	–	ANY DEFINED BY identifier	c:m		
c29: if G.11/2a then m else –														

G.4.5 Parameter

TABLE G.14

eWMAMetricMonitor Parameter support

Index	Parameter template label	Value of object identifier for parameter	Constraints and values	Status	Support	Additional information
1	derivedGaugeNotCurrent	{1 2 840 10011 5 0}	SPECIFIC-ERROR DerivedGauge	m		

G.5 The LAPB Data Link Entity managed object

G.5.1 Statement of conformance to the managed object class

TABLE G.15

lAPBDLE Managed object class support

Index	Managed object class template label	Value of object identifier for class	Support of all mandatory features? (Y/N)	Is the actual class the same as the managed object class to which conformance is claimed? (Y/N)
1	lAPBDLE	{2 15 0 3 3}		

If the answer to the actual class question in Table G.15 is no, the supplier of the implementation shall fill in the actual class support Table G.16.

TABLE G.16

lAPBDLE Actual class support

Index	Managed object class template for actual class	Value of object identifier for managed object class definition of actual class	Additional information

G.5.2 Packages

The supplier of the implementation shall state whether or not the packages specified by this managed object of this class are supported, in Table G.17.

TABLE G.17

lAPBDLE Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": allomorphicPackage	{2 9 3 2 4 17}	"if an object supports allomorphism"	c30		
2	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": communicationsEntityP1		Mandatory	m		
3	datalinkEntity-P		Mandatory	m		
4	mLP-P	{2 15 0 4 1}	"lAPBDLE supports mlp procedures"	o		
5	mT2-P	{2 15 0 4 5}	"lAPBDLE supports mlp procedures and mT2 timer."	o		
6	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": packagesPackage	{2 9 3 2 4 16}	"any registered package, other than this package has been instantiated"	c31		
7	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": topPackage		Mandatory	m		
c30: if G.15/1b then – else m c31: if G.17/1a or G.17/4a or G.17/5a then m else –						

G.5.3 Attributes

The supplier of the implementation shall state whether or not the attributes specified by all of the packages instantiated in a managed object of this class are supported, in the Support and Additional information columns of Table G.18. The supplier of the implementation shall indicate support for each of the operations for each attribute supported.

TABLE G.18

lAPBDLE Attribute support

				Set by create		Get		Replace		Add		Remove		Set to default		
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c32		c33		–		–		–		–		
2	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": communicationsEntityId	{2 9 3 5 7 0}	GraphicString	c34		m		x		–		–		x		
3	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": localSapNames	{2 9 3 5 7 6}	SET OF ObjectInstance	c35		m		c36		c36		c36		c36		
4	mT1Timer	{2 15 0 7 12}	SEQUENCE	c37		c38		c38		–		–		c38		
5	mT2Timer	{2 15 0 7 13}	SEQUENCE	c39		c40		c40		–		–		c40		
6	mT3Timer	{2 15 0 7 14}	SEQUENCE	c37		c38		c38		–		–		c38		
7	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	c34		m		x		–		–		x		
8	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectClass	{2 9 3 2 7 65}	ObjectClass	c41		m		x		–		–		x		
9	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": operationalState	{2 9 3 2 7 35}	ENUMERATED	x		m		x		–		–		x		

TABLE G.18 *(concluded)*

lAPBDLE Attribute support

				Set by create		Get		Replace		Add		Remove		Set to default		
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Additional information
10	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c42		c43		c44		c44		c44		c44		
11	providerEntityNames	{2 15 0 7 11}	SET OF ObjectInstance	c41		m		m		–		–		m		

c32: if G.17/1a then (if H.1/3a then o else x) else –
c33: if G.17/1a then m else –
c34: if H.1/3a then o else x
c35: if G.15/1b or H.1/4a then x else –
c36: if G.15/1b then x else –
c37: if G.17/4a then (if H.1/3a then m else x) else –
c38: if G.17/4a then m else –
c39: if G.17/5a then (if H.1/3a then m else then x) else –
c40: if G.17/5a then m else –
c41: if H.1/3a then m else x
c42: if G.17/6a then (if H.1/3a then o else x) else –
c43: if G.17/6a then m else –
c44: if G.17/6a then x else –

G.5.4 Attribute group

TABLE G.19

lAPBDLE Attribute group support

				Get		Set to default		
Index	Attribute group template label	Value of object identifier for attribute group	Constraints and values	status	Support	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": state	{2 9 3 2 8 1}	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": operationalState	m		c36		
2	timers	{2 15 0 8 1}	mT1Timer mT2Timer mT3Timer	c45		c45		
c45: if G.17/4a or G.17/5a then m else –								

G.5.5 Notifications

TABLE G.20

lAPBDLE Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support: Con-firmed	Support: Non-con-firmed	Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectCreation	{2 9 3 2 10 6}		m				1.1	ObjectInfo		**Information Syntax** SEQUENCE	m		
								1.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								1.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o		
								1.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
								1.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								1.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								1.1.4.2	sourceObjectInst	–	ObjectInstance	c:o		
								1.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o		
								1.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								1.1.6.1	identifier	–	OBJECT IDENTIFIER	c:m		
								1.1.6.2	significance	–	BOOLEAN	c:o		
								1.1.6.3	information	–	ANY DEFINED BY identifier	c:m		
2	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectDeletion	{2 9 3 2 10 7}		m				2.1	ObjectInfo		**Information Syntax** SEQUENCE	m		
								2.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								2.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o		
								2.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		

TABLE G.20 *(continued)*

lAPBDLE Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Con-firmed	Non-con-firmed								
								2.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								2.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								2.1.4.2	sourceObjectInst	–	ObjectInstance	c:o		
								2.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o		
								2.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								2.1.6.1	identifier	–	OBJECT IDENTIFIER	c:m		
								2.1.6.2	significance	–	BOOLEAN	c:o		
								2.1.6.3	information	–	ANY DEFINED BY identifier	c:m		
3	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": stateChange	{2 9 3 2 10 14}		m				3.1	StateChangeInfo		**Information Syntax** SEQUENCE	m		
								3.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								3.1.2	attributeIdentifierList	{2 9 3 2 7 8}	SET OF AttributeId	o		
								3.1.3	stateChangeDefinition	{2 9 3 2 7 28}	SET OF SEQUENCE	m		
								3.1.3.1	attributeID	–	AttributeId	m		
								3.1.3.2	oldAttributeValue	–	ANY DEFINED BY attributeID	o		
								3.1.3.3	newAttributeValue	–	ANY DEFINED BY attributeID	m		
								3.1.4	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
								3.1.5	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								3.1.5.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								3.1.5.2	sourceObjectInst	–	ObjectInstance	c:o		
								3.1.6	additionalText	{2 9 3 2 7 7}	GraphicString	o		

Superseded by a more recent version

TABLE G.20 *(concluded)*

lAPBDLE Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Con-firmed	Non-con-firmed								
								3.1.7	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								3.1.7.1	identifier	–	OBJECT IDENTIFIER	c:m		
								3.1.7.2	significance	–	BOOLEAN	c:o		
								3.1.7.3	information	–	ANY DEFINED BY identifier	c:m		

G.6 The LLC Connectionless Protocol Machine managed object

G.6.1 Statement of conformance to the managed object class

The supplier of the implementation shall support at least one managed object class derived from lLCCLPM managed object class. The supplier of the implementation shall fill in the support managed object class of Table G.21.

TABLE G.21

Subclass of lLCCLPM support

Index	Supported managed object class template	Value of object identifier for managed object class definition	Additional information

G.7 The LLC Connection-mode Protocol Machine managed object

G.7.1 Statement of conformance to the managed object class

The supplier of the implementation shall support at least one managed object class derived from lLCCOPM managed object class. The supplier of the implementation shall fill in the support managed object class of Table G.22.

TABLE G.22

Subclass of lLCCOPM support

Index	Supported managed object class template	Value of object identifier for managed object class definition	Additional information

G.8 The LLC Data Link Entity managed object

G.8.1 Statement of conformance to the managed object class

TABLE G.23

lLCDLE Managed object class support

Index	Managed object class template label	Value of object identifier for class	Support of all mandatory features? (Y/N)	Is the actual class the same as the managed object class to which conformance is claimed? (Y/N)
1	lLCDLE	{2 15 0 3 9}		

If the answer to the actual class question in Table G.23 is no, the supplier of the implementation shall fill in the actual class support Table G.24.

TABLE G.24

lLCDLE Actual class support

Index	Managed object class template for actual class	Value of object identifier for managed object class definition of actual class	Additional information

G.8.2 Packages

The supplier of the implementation shall state whether or not the packages specified by this managed object of this class are supported, in Table G.25.

TABLE G.25

lLCDLE Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": allomorphicPackage	{2 9 3 2 4 17}	"if an object supports allomorphism"	c46		
2	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": communicationsEntityP1		Mandatory	m		
3	datalinkEntity-P		Mandatory	m		
4	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": packagesPackage	{2 9 3 2 4 16}	"any registered package, other than this package has been instantiated"	c47		
5	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": topPackage		Mandatory	m		
c46: if G.23/1b then – else m c47: if G.25/1a then m else –						

G.8.3 Attributes

The supplier of the implementation shall state whether or not the attributes specified by all of the packages instantiated in a managed object of this class are supported, in the Support and Additional information columns of Table G.26. The supplier of the implementation shall indicate support for each of the operations for each attribute supported.

TABLE G.26

lLCDLE Attribute support

				Set by create		Get		Replace		Add		Remove		Set to default		
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c48		c49		–		–		–		–		
2	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": communicationsEntityId	{2 9 3 5 7 0}	GraphicString	c50		m		x		–		–		x		
3	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": localSapNames	{2 9 3 5 7 6}	SET OF ObjectInstance	c51		m		c52		c52		c52		c52		
4	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	c50		m		x		–		–		x		
5	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectClass	{2 9 3 2 7 65}	ObjectClass	c53		m		x		–		–		x		
6	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": operationalState	{2 9 3 2 7 35}	ENUMERATED	x		m		x		–		–		x		
7	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c54		c55		c56		c56		c56		c56		
8	providerEntityNames	{2 15 0 7 11}	SET OF ObjectInstance	c53		m		m		c52		c52		m		

c48: if G.25/1a then (if H.1/3a then o else x) else –
c49: if G.25/1a then m else –
c50: if H.1/3a then o else x
c51: if G.23/1b or H.1/4a then x else –
c52: if G.23/1b then x else –
c53: if H.1/3a then m else x
c54: if G.25/4a then (if H.1/3a then o else x) else –
c55: if G.25/4a then m else –
c56: if G.25/4a then x else –

G.8.4 Attribute group

TABLE G.27

lLCDLE Attribute group support

				Get		Set to default		
Index	Attribute group template label	Value of object identifier for attribute group	Constraints and values	Status	Support	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": state	{2 9 3 2 8 1}	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": operationalState	m		c52		

G.8.5 Notifications

TABLE G.28

lLCDLE Notification support

					Support									
Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Con-firmed	Non-con-firmed	Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectCreation	{2 9 3 2 10 6}		m				1.1	ObjectInfo		**Information Syntax** SEQUENCE	m		
								1.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								1.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o		
								1.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
								1.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								1.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								1.1.4.2	sourceObjectInst	–	ObjectInstance	c:o		
								1.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o		
								1.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								1.1.6.1	identifier	–	OBJECT IDENTIFIER	c:m		
								1.1.6.2	significance	–	BOOLEAN	c:o		
								1.1.6.3	information	–	ANY DEFINED BY identifier	c:m		
2	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectDeletion	{2 9 3 2 10 7}		m				2.1	ObjectInfo		**Information Syntax** SEQUENCE	m		
								2.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								2.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o		
								2.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		

TABLE G.28 (*continued*)

lLCDLE Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Con-firmed	Non-con-firmed								
								2.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								2.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								2.1.4.2	sourceObjectInst	–	ObjectInstance	c:o		
								2.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o		
								2.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								2.1.6.1	identifier	–	OBJECT IDENTIFIER	c:m		
								2.1.6.2	significance	–	BOOLEAN	c:o		
								2.1.6.3	information	–	ANY DEFINED BY identifier	c:m		
3	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": stateChange	{2 9 3 2 10 14}		m				3.1	StateChangeInfo		**Information Syntax** SEQUENCE	m		
								3.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								3.1.2	attributeIdentifierList	{2 9 3 2 7 8}	SET OF AttributeId	o		
								3.1.3	stateChangeDefinition	{2 9 3 2 7 28}	SET OF SEQUENCE	m		
								3.1.3.1	attributeID	–	AttributeId	m		
								3.1.3.2	oldAttributeValue	–	ANY DEFINED BY attributeID	o		
								3.1.3.3	newAttributeValue	–	ANY DEFINED BY attributeID	m		
								3.1.4	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
								3.1.5	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								3.1.5.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								3.1.5.2	sourceObjectInst	–	ObjectInstance	c:o		
								3.1.6	additionalText	{2 9 3 2 7 7}	GraphicString	o		

TABLE G.28 (*concluded)*

lLCDLE Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Con-firmed	Non-con-firmed								
								3.1.7	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								3.1.7.1	identifier	–	OBJECT IDENTIFIER	c:m		
								3.1.7.2	significance	–	BOOLEAN	c:o		
								3.1.7.3	information	–	ANY DEFINED BY identifier	c:m		

G.9 The MAC managed object

G.9.1 Statement of conformance to the managed object class

The supplier of the implementation shall support at least one managed object class derived from mAC managed object class. The supplier of the implementation shall fill in the support managed object class of Table G.29.

TABLE G.29

Subclass of mAC support

Index	Supported managed object class template	Value of object identifier for managed object class definition	Additional information

G.10 The MAC Data Link Entity managed object

G.10.1 Statement of conformance to the managed object class

TABLE G.30

mACDLE Managed object class support

Index	Managed object class template label	Value of object identifier for class	Support of all mandatory features? (Y/N)	Is the actual class the same as the managed object class to which conformance is claimed? (Y/N)
1	mACDLE	{2 15 0 3 7}		

If the answer to the actual class question in Table G.30 is no, the supplier of the implementation shall fill in the actual class support Table G.31.

TABLE G.31

mACDLE Actual class support

Index	Managed object class template for actual class	Value of object identifier for managed object class definition of actual class	Additional information

G.10.2 Packages

The supplier of the implementation shall state whether or not the packages specified by this managed object of this class are supported, in Table G.32.

TABLE G.32

mACDLE Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": allomorphicPackage	{2 9 3 2 4 17}	"if an object supports allomorphism"	c57		
2	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": communicationsEntityP1		Mandatory	m		
3	datalinkEntity-P		Mandatory	m		
4	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": packagesPackage	{2 9 3 2 4 16}	"any registered package, other than this package has been instantiated"	c58		
5	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": topPackage		Mandatory	m		
c57: if G.30/1b then – else m c58: if G.32/1a then m else –						

G.10.3 Attributes

The supplier of the implementation shall state whether or not the attributes specified by all of the packages instantiated in a managed object of this class are supported, in the Support and Additional information columns of Table G.33. The supplier of the implementation shall indicate support for each of the operations for each attribute supported.

TABLE G.33

mACDLE Attribute support

				Set by create		Get		Replace		Add		Remove		Set to default		
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c59		c60		–		–		–		–		
2	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": communicationsEntityId	{2 9 3 5 7 0}	GraphicString	c61		m		x		–		–		x		
3	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": localSapNames	{2 9 3 5 7 6}	SET OF ObjectInstance	c62		m		c63		c63		c63		c63		
4	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	c61		m		x		–		–		x		
5	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectClass	{2 9 3 2 7 65}	ObjectClass	c64		m		x		–		–		x		
6	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": operationalState	{2 9 3 2 7 35}	ENUMERATED	x		m		x		–		–		x		
7	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c65		c66		c67		c67		c67		c67		
8	providerEntityNames	{2 15 0 7 11}	SET OF ObjectInstance	c64		m		m		c63		c63		m		

c59: if G.32/1a then (if H.1/3a then o else x) else –
c60: if G.31/1a then m else –
c61: if H.1/3a then o else x
c62: if G.30/1b or H.1/4a then x else –
c63: if G.30/1b then x else –
c64: if H.1/3a then m else x
c65: if G.32/4a then (if H.1/3a then o else x) else –
c66: if G.32/4a then m else –
c67: if G.32/4a then x else –

G.10.4 Attribute group

TABLE G.34

mACDLE Attribute group support

				Get		Set to default		
Index	Attribute group template label	Value of object identifier for attribute group	Constraints and values	Status	Support	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": state	{2 9 3 2 8 1}	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": operationalState	m		c63		

G.10.5 Notifications

TABLE G.35

mACDLE Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Suppport		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Con-firmed	Non-con-firmed								
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectCreation	{2 9 3 2 10 6}		m				1.1	ObjectInfo		**Information Syntax** SEQUENCE	m		
								1.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								1.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o		
								1.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
								1.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								1.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								1.1.4.2	sourceObjectInst	–	ObjectInstance	c:o		
								1.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o		
								1.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								1.1.6.1	identifier	–	OBJECT IDENTIFIER	c:m		
								1.1.6.2	significance	–	BOOLEAN	c:o		
								1.1.6.3	information	–	ANY DEFINED BY identifier	c:m		
2	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectDeletion	{2 9 3 2 10 7}		m				2.1	ObjectInfo		**Information Syntax** SEQUENCE	m		
								2.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								2.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o		
								2.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		

TABLE G.35 *(continued)*

mACDLE Notification support

					Suppport									
Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Con-firmed	Non-con-firmed	Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
								2.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								2.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								2.1.4.2	sourceObjectInst	–	ObjectInstance	c:o		
								2.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o		
								2.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								2.1.6.1	identifier	–	OBJECT IDENTIFIER	c:m		
								2.1.6.2	significance	–	BOOLEAN	c:o		
								2.1.6.3	information	–	ANY DEFINED BY identifier	c:m		
3	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": stateChange	{2 9 3 2 10 14}		m				3.1	StateChangeInfo		**Information Syntax** SEQUENCE	m		
								3.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								3.1.2	attributeIdentifierList	{2 9 3 2 7 8}	SET OF AttributeId	o		
								3.1.3	stateChangeDefinition	{2 9 3 2 7 28}	SET OF SEQUENCE	m		
								3.1.3.1	attributeID	–	AttributeId	m		
								3.1.3.2	oldAttributeValue	–	ANY DEFINED BY attributeID	o		
								3.1.3.3	newAttributeValue	–	ANY DEFINED BY attributeID	m		
								3.1.4	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
								3.1.5	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								3.1.5.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								3.1.5.2	sourceObjectInst	–	ObjectInstance	c:o		
								3.1.6	additionalText	{2 9 3 2 7 7}	GraphicString	o		

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TABLE G.35 *(concluded)*

mACDLE Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Suppport		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Con-firmed	Non-con-firmed								
								3.1.7	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								3.1.7.1	identifier	–	OBJECT IDENTIFIER	c:m		
								3.1.7.2	significance	–	BOOLEAN	c:o		
								3.1.7.3	information	–	ANY DEFINED BY identifier	c:m		

G.11 The Resource TypeId managed object

G.11.1 Statement of conformance to the managed object class

TABLE G.36

resourceTypeId Managed object class support

Index	Managed object class template label	Value of object identifier for class	Support of all mandatory features? (Y/N)	Is the actual class the same as the managed object class to which conformance is claimed? (Y/N)
1	resourceTypeId	{1 2 840 10011 3 0}		

If the answer to the actual class question in Table G.36 is no, the supplier of the implementation shall fill in the actual class support Table G.37.

TABLE G.37

resourceTypeId Actual class support

Index	Managed object class template for actual class	Value of object identifier for managed object class definition of actual class	Additional information

G.11.2 Packages

The supplier of the implementation shall state whether or not the packages specified by this managed object of this class are supported, in Table G.38.

TABLE G.38

resourceTypeId Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": allomorphicPackage	{2 9 3 2 4 17}	"if an object supports allomorphism"	c68		
2	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": packagesPackage	{2 9 3 2 4 16}	"any registered package, other than this package has been instantiated"	c69		
3	resourceTypeId-P		Mandatory	m		
4	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": topPackage		Mandatory	m		
c68: if G.36/1b then – else m c69: if G.38/1a then m else –						

G.11.3 Attributes

The supplier of the implementation shall state whether or not the attributes specified by all of the packages instantiated in a managed object of this class are supported, in the Support and Additional information columns of Table G.39. The supplier of the implementation shall indicate support for each of the operations for each attribute supported.

TABLE G.39

resourceTypeId Attribute support

				Set by create		Get		Replace		Add		Remove		Set to default		
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c70		c71		–		–		–		–		
2	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	x		m		x		–		–		x		
3	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectClass	{2 9 3 2 7 65}	ObjectClass	x		m		x		–		–		x		
4	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c72		c73		c72		c72		c72		c72		
5	resourceInfo	{1 2 840 10011 7 2}	SEQUENCE	x		m		c74		–		–		c74		
6	resourceTypeIdName	{1 2 840 10011 7 1}	GraphicString	x		m		x		–		–		x		

c70: if G.38/1a then x else –

c71: if G.38/1a then m else –

c72: if G.38/2a then x else –

c73: if G.38/2a then m else –

c74: if G.36/1a then x else –

G.12 The LAPB Single Link Protocol Connection managed object

G.12.1 Statement of conformance to the managed object class

TABLE G.40

sLPConnection Managed object class support

Index	Managed object class template label	Value of object identifier for class	Support of all mandatory features? (Y/N)	Is the actual class the same as the managed object class to which conformance is claimed? (Y/N)
1	sLPConnection	{2 15 0 3 5}		

If the answer to the actual class question in Table G.40 is no, the supplier of the implementation shall fill in the actual class support Table G.41.

TABLE G.41

sLPConnection Actual class support

Index	Managed object class template for actual class	Value of object identifier for managed object class definition of actual class	Additional information

G.12.2 Packages

The supplier of the implementation shall state whether or not the packages specified by this managed object of this class are supported, in Table G.42.

TABLE G.42

sLPConnection Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": allomorphicPackage	{2 9 3 2 4 17}	"if an object supports allomorphism"	c75		
2	commonSLPConnection-P		Mandatory	m		
3	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": packagesPackage	{2 9 3 2 4 16}	"any registered package, other than this package has been instantiated"	c76		
4	sLPConnection-P		Mandatory	m		
5	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": singlePeerConnectionP1		Mandatory	m		
6	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": singlePeerConnectionP2	{2 9 3 5 4 2}	"The names of the connections supported by this connection can be provided"	o		
7	t3-P	{2 15 0 4 2}	"Optional Timer T3 of ISO 7776 is supported."	o		
8	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": topPackage		Mandatory	m		
c75: if G.40/1b then – else m c76: if G.42/1a or G.42/6a or G.42/7a then m else –						

G.12.3 Attributes

The supplier of the implementation shall state whether or not the attributes specified by all of the packages instantiated in a managed object of this class are supported, in the Support and Additional information columns of Table G.43. The supplier of the implementation shall indicate support for each of the operations for each attribute supported.

TABLE G.43

sLPConnection Attribute support

				Set by create		Get		Replace		Add		Remove		Set to default		
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c77		c78		–		–		–		–		
2	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": connectionId	{2 9 3 5 7 1}	GraphicString	x		m		x		–		–		x		
3	fCSErrorsReceived	{2 15 0 7 15}	INTEGER	x		m		c79		–		–		c79		
4	fRMRsReceived	{2 15 0 7 1}	INTEGER	x		m		c79		–		–		c79		
5	fRMRsSent	{2 15 0 7 2}	INTEGER	x		m		c79		–		–		c79		
6	iFrameDataOctetsReceived	{2 15 0 7 16}	INTEGER	x		m		c79		–		–		c79		
7	iFrameDataOctetsSent	{2 15 0 7 17}	INTEGER	x		m		c79		–		–		c79		
8	iFramesReceived	{2 15 0 7 3}	INTEGER	x		m		c79		–		–		c79		
9	iFramesSent	{2 15 0 7 4}	INTEGER	x		m		c79		–		–		c79		
10	interfaceType	{2 15 0 7 18}	ENUMERATED	x		m		m		–		–		m		
11	k	{2 15 0 7 19}	CHOICE	x		m		m		–		–		m		
12	n1	{2 15 0 7 20}	INTEGER	x		m		m		–		–		m		
13	n2	{2 15 0 7 21}	INTEGER	x		m		m		–		–		m		
14	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	x		m		x		–		–		x		
15	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectClass	{2 9 3 2 7 65}	ObjectClass	x		m		x		–		–		x		
16	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c80		c81		c80		c80		c80		c80		
17	pollsReceived	{2 15 0 7 22}	INTEGER	x		m		c79		–		–		c79		
18	rEJsReceived	{2 15 0 7 5}	INTEGER	x		m		c79		–		–		c79		
19	rEJsSent	{2 15 0 7 6}	INTEGER	x		m		c79		–		–		c79		
20	rNRsReceived	{2 15 0 7 7}	INTEGER	x		m		c79		–		–		c79		
21	rNRsSent	{2 15 0 7 8}	INTEGER	x		m		c79		–		–		c79		
22	sABMsReceived	{2 15 0 7 9}	INTEGER	x		m		c79		–		–		c79		
23	sABMsSent	{2 15 0 7 10}	INTEGER	x		m		c79		–		–		c79		
24	sLPProtocolState	{2 15 0 7 23}	ENUMERATED	x		m		c79		–		–		c79		

TABLE G.43 *(concluded)*

sLPConnection Attribute support

				Set by create		Get		Replace		Add		Remove		Set to default		
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Additional information
25	sequenceModulus	{2 15 0 7 24}	INTEGER	x		m		m		–		–		m		
26	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": supportedConnectionNames	{2 9 3 5 7 12}	SET OF ObjectInstance	c82		c83		c84		c84		c84		c84		
27	t1Timer	{2 15 0 7 25}	SEQUENCE	x		m		m		–		–		m		
28	t2Timer	{2 15 0 7 26}	SEQUENCE	x		m		m		–		–		m		
29	t3Timer	{2 15 0 7 27}	SEQUENCE	c85		c86		c86		–		–		c86		
30	t4Timer	{2 15 0 7 28}	SEQUENCE	x		m		m		–		–		m		
31	timesT1Expired	{2 15 0 7 29}	INTEGER	x		m		c79		–		–		c79		
32	timesT3Expired	{2 15 0 7 30}	INTEGER	c85		c86		c87		–		–		c87		
33	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": underlyingConnectionNames	{2 9 3 5 7 14}	SET OF ObjectInstance	x		m		c79		c79		c79		c79		

c77: if G.42/1a then x else –
c78: if G.42/1a then m else –
c79: if G.40/1b then x else –
c80: if G.42/3a then x else –
c81: if G.42/3a then m else –
c82: if G.42/6a then x else –
c83: if G.42/6a then m else –
c84: if G.40/1b and G.42/6a then x else –
c85: if G.42/7a then x else –
c86: if G.42/7a then m else –
c87: if G.40/1b and G.42/7a then x else –

G.12.4 Attribute group

TABLE G.44

sLPConnection Attribute group support

				Get		Set to default		
Index	Attribute group template label	Value of object identifier for attribute group	Constraints and values	Status	Support	Status	Support	Additional information
1	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": counters	{2 9 3 5 8 0}	fCSErrorsReceived fRMRsReceived fRMRsSent iFrameDataOctetsReceived iFrameDataOctetsSent iFramesReceived iFramesSent pollsReceived rEJsReceived rEJsSent rNRsReceived rNRsSent sABMsReceived sABMsSent timesT1Expired timerT3Expired (condition)	m		c79		
2	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": state	{2 9 3 2 8 1}	sLPProtocolState	m		c79		
3	timers	{2 15 0 8 1}	t1Timer t2Timer t4Timer t3Timer (condition)	m		m		

G.12.5 Actions

TABLE G.45

sLPConnection Action support

Index	Action type template label	Value of object identifier for action type	Constraints and values	Status	Support	Additional information	Subindex	Action field name label	Constraints and values	Status	Support	Additional information
1	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": deactivate	{2 9 3 5 9 1}		m			1.1	ActionInfo	**Information Syntax** SET OF SEQUENCE	m		
							1.1.1	identifier	OBJECT IDENTIFIER	m		
							1.1.2	significance	BOOLEAN	o		
							1.1.3	information	ANY DEFINED BY identifier	m		
							1.2	ActionReply	**Reply Syntax** SET OF SEQUENCE	m		
							1.2.1	identifier	OBJECT IDENTIFIER	m		
							1.2.2	significance	BOOLEAN	o		
							1.2.3	information	ANY DEFINED BY identifier	m		

G.12.6 Notifications

TABLE G.46

sLPConnection Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Con-firmed	Non-con-firmed								
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": communicationsAlarm	{2 9 3 2 10 2}		m			fRMR	1.1	AlarmInfo		**Information Syntax** SEQUENCE	m		
								1.1.1	probableCause	{2 9 3 2 7 18}	CHOICE	m		
								1.1.1.1	globalValue	–	OBJECT IDENTIFIER	o.1		
								1.1.1.2	localValue	–	INTEGER	o.1		
								1.1.2	specificProblems	{2 9 3 2 7 27}	SET OF CHOICE	o		
								1.1.2.1	OBJECT IDENTIFIER	–	OBJECT IDENTIFIER	c:o.2		
								1.1.2.2	INTEGER	–	INTEGER	c:o.2		
								1.1.3	perceivedSeverity	{2 9 3 2 7 17}	ENUMERATED	m		
								1.1.4	backedUpStatus	{2 9 3 2 7 11}	BOOLEAN	o		
								1.1.5	backUpObject	{2 9 3 2 7 40}	ObjectInstance	o		
								1.1.6	trendIndication	{2 9 3 2 7 30}	ENUMERATED	o		
								1.1.7	thresholdInfo	{2 9 3 2 7 29}	SEQUENCE	o		
								1.1.7.1	triggeredThreshold	–	AttributeId	c:m		
								1.1.7.2	observedValue	–	CHOICE	c:m		
								1.1.7.2.1	integer	–	INTEGER	c:o.3		
								1.1.7.2.2	real	–	REAL	c:o.3		
								1.1.7.3	thresholdLevel	–	CHOICE	c:o		
								1.1.7.3.1	up	–	SEQUENCE	c:o.4		
								1.1.7.3.1.1	high	–	CHOICE	c:m		
								1.1.7.3.1.1.1	integer	–	INTEGER	c:o.5		
								1.1.7.3.1.1.2	real	–	REAL	c:o.5		
								1.1.7.3.1.2	low	–	CHOICE	c:o		
								1.1.7.3.1.2.1	integer	–	INTEGER	c:o.6		
								1.1.7.3.1.2.2	real	–	REAL	c:o.6		

TABLE G.46 *(continued)*

sLPConnection Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Con-firmed	Non-con-firmed								
								1.1.7.3.2	down	–	SEQUENCE	c:o.4		
								1.1.7.3.2.1	high	–	CHOICE	c:m		
								1.1.7.3.2.1.1	integer	–	INTEGER	c:o.7		
								1.1.7.3.2.1.2	real	–	REAL	c:o.7		
								1.1.7.3.2.2	low	–	CHOICE	c:m		
								1.1.7.3.2.2.1	integer	–	INTEGER	c:o.8		
								1.1.7.3.2.2.2	real	–	REAL	c:o.8		
								1.1.7.4	armTime	–	GeneralizedTime	c:o		
								1.1.8	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
								1.1.9	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								1.1.9.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								1.1.9.2	sourceObjectInst	–	ObjectInstance	c:o		
								1.1.10	stateChangeDefinition	{2 9 3 2 7 28}	SET OF SEQUENCE	o		
								1.1.10.1	attributeID	–	AttributeId	c:m		
								1.1.10.2	oldAttributeValue	–	ANY DEFINED BY attributeID	c:o		
								1.1.10.3	newAttributeValue	–	ANY DEFINED BY attributeID	c:m		
								1.1.11	monitoredAttributes	{2 9 3 2 7 15}	SET OF Attribute	o		
								1.1.12	proposedRepairActions	{2 9 3 2 7 19}	SET OF CHOICE	o		
								1.1.12.1	OBJECT IDENTIFIER	–	OBJECT IDENTIFIER	c:o.9		
								1.1.12.2	INTEGER	–	INTEGER	c:o.9		
								1.1.13	additionalText	{2 9 3 2 7 7}	GraphicString	o		

TABLE G.46 *(continued)*

sLPConnection Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Con-firmed	Non-con-firmed								
								1.1.14	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								1.1.14.1	identifier	–	OBJECT IDENTIFIER	c:m		
								1.1.14.2	significance	–	BOOLEAN	c:o		
								1.1.14.3	information	–	ANY DEFINED BY identifier	c:m		
2	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectCreation	{2 9 3 2 10 6}		m				2.1	ObjectInfo		**Information Syntax** SEQUENCE	m		
								2.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								2.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o		
								2.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
								2.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								2.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								2.1.4.2	sourceObjectInst	–	ObjectInstance	c:o		
								2.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o		
								2.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								2.1.6.1	identifier	–	OBJECT IDENTIFIER	c:m		
								2.1.6.2	significance	–	BOOLEAN	c:o		
								2.1.6.3	information	–	ANY DEFINED BY identifier	c:m		
3	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectDeletion	{2 9 3 2 10 7}		m				3.1	ObjectInfo		**Information Syntax** SEQUENCE	m		
								3.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								3.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o		
								3.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		

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TABLE G.46 *(concluded)*

sLPConnection Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Con-firmed	Non-con-firmed								
								3.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								3.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								3.1.4.2	sourceObjectInst	–	ObjectInstance	c:o		
								3.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o		
								3.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								3.1.6.1	identifier	–	OBJECT IDENTIFIER	c:m		
								3.1.6.2	significance	–	BOOLEAN	c:o		
								3.1.6.3	information	–	ANY DEFINED BY identifier	c:m		

G.12.7 Parameter

TABLE G.47

sLPConnection Parameter support

Index	Parameter template label	Value of object identifier for parameter	Constraints and values	Status	Support	Additional information
1	fRMR	{2 15 0 5 1}	EVENT-INFO communicationsAlarm	m		

G.13 The LAPB Single Link Protocol Connection Initial Values managed object

G.13.1 Statement of conformance to the managed object class

TABLE G.48

sLPConnectionIVMO Managed object class support

Index	Managed object class template label	Value of object identifier for class	Support of all mandatory features? (Y/N)	Is the actual class the same as the managed object class to which conformance is claimed? (Y/N)
1	sLPConnectionIVMO	{2 15 0 3 6}		

If the answer to the actual class question in Table G.48 is no, the supplier of the implementation shall fill in the actual class support Table G.49.

TABLE G.49

sLPConnectionIVMO Actual class support

Index	Managed object class template for actual class	Value of object identifier for managed object class definition of actual class	Additional information

G.13.2 Packages

The supplier of the implementation shall state whether or not the packages specified by this managed object of this class are supported, in Table G.50.

TABLE G.50

sLPConnectionIVMO Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": allomorphicPackage	{2 9 3 2 4 17}	"if an object supports allomorphism"	c88		
2	commonSLPConnection-P		Mandatory	m		
3	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": packagesPackage	{2 9 3 2 4 16}	"any registered package, other than this package has been instantiated"	c89		
4	sLPConnectionIVMO-P		Mandatory	m		
5	t3IVMO-P	{2 15 0 4 3}	"optional Timer T3 of ISO 7776 is supported."	o		
6	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": topPackage		Mandatory	m		
c88: if G.48/1b then – else m c89: if G.50/1a or G.50/5a then m else –						

G.13.3 Attributes

The supplier of the implementation shall state whether or not the attributes specified by all of the packages instantiated in a managed object of this class are supported, in the Support and Additional information columns of Table G.51. The supplier of the implementation shall indicate support for each of the operations for each attribute supported.

TABLE G.51

sLPConnectionIVMO Attribute support

				Set by create		Get		Replace		Add		Remove		Set to default		
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c90		c91		–		–		–		–		
2	interfaceType	{2 15 0 7 18}	ENUMERATED	m		m		m		–		–		m		
3	k	{2 15 0 7 19}	CHOICE	m		m		m		–		–		m		
4	n1	{2 15 0 7 20}	INTEGER	m		m		m		–		–		m		
5	n2	{2 15 0 7 21}	INTEGER	m		m		m		–		–		m		
6	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	o		m		x		–		–		x		
7	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectClass	{2 9 3 2 7 65}	ObjectClass	m		m		x		–		–		x		
8	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c92		c93		c94		c94		c94		c94		
9	sLPConnectionIVMOId	{2 15 0 7 31}	GraphicString	o		m		x		–		–		x		
10	sequenceModulus	{2 15 0 7 24}	INTEGER	m		m		m		–		–		m		
11	t1Timer	{2 15 0 7 25}	SEQUENCE	m		m		m		–		–		m		
12	t2Timer	{2 15 0 7 26}	SEQUENCE	m		m		m		–		–		m		
13	t3Timer	{2 15 0 7 27}	SEQUENCE	c95		c95		c95		–		–		c95		
14	t4Timer	{2 15 0 7 28}	SEQUENCE	m		m		m		–		–		m		

c90: if G.50/1a then o else –

c91: if G.50/1a then m else –

c92: if G.50/3a then o else –

c93: if G.50/3a then m else –

c94: if G.48/1b and G.50/3a then x else –

c95: if G.50/5a then m else –

G.13.4 Attribute group

TABLE G.52

sLPConnectionIVMO Attribute group support

				Get		Set to default		
Index	Attribute group template label	Value of object identifier for attribute group	Constraints and values	Status	Support	Status	Support	Additional information
1	timers	{2 15 0 8 1}	t1Timer t2Timer t4Timer t3Timer (condition)	m		m		

G.13.5 Notifications

TABLE G.53

sLPConnectionIVMO Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support: Con-firmed	Support: Non-con-firmed	Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectCreation	{2 9 3 2 10 6}		m				1.1	ObjectInfo		**Information Syntax** SEQUENCE	m		
								1.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								1.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o		
								1.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
								1.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								1.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								1.1.4.2	sourceObjectInst	–	ObjectInstance	c:o		
								1.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o		
								1.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								1.1.6.1	identifier	–	OBJECT IDENTIFIER	c:m		
								1.1.6.2	significance	–	BOOLEAN	c:o		
								1.1.6.3	information	–	ANY DEFINED BY identifier	c:m		
2	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectDeletion	{2 9 3 2 10 7}		m				2.1	ObjectInfo		**Information Syntax** SEQUENCE	m		
								2.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								2.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o		
								2.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		

Superseded by a more recent version

TABLE G.53 *(concluded)*

sLPConnectionIVMO Notification support

					Support									
Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Con-firmed	Non-con-firmed	Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
								2.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								2.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								2.1.4.2	sourceObjectInst	–	ObjectInstance	c:o		
								2.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o		
								2.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								2.1.6.1	identifier	–	OBJECT IDENTIFIER	c:m		
								2.1.6.2	significance	–	BOOLEAN	c:o		
								2.1.6.3	information	–	ANY DEFINED BY identifier	c:m		

G.14 The LAPB Single Link Protocol Machine managed object

G.14.1 Statement of conformance to the managed object class

TABLE G.54

sLPPM Managed object class support

Index	Managed object class template label	Value of object identifier for class	Support of all mandatory features? (Y/N)	Is the actual class the same as the managed object class to which conformance is claimed? (Y/N)
1	sLPPM	{2 15 0 3 4}		

If the answer to the actual class question in Table G.54 is no, the supplier of the implementation shall fill in the actual class support Table G.55.

TABLE G.55

sLPPM Actual class support

Index	Managed object class template for actual class	Value of object identifier for managed object class definition of actual class	Additional information

G.14.2 Packages

The supplier of the implementation shall state whether or not the packages specified by this managed object of this class are supported, in Table G.56.

TABLE G.56

sLPPM Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": allomorphicPackage	{2 9 3 2 4 17}	"if an object supports allomorphism"	c96		
2	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": coProtocolMachineP1		Mandatory	m		
3	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": packagesPackage	{2 9 3 2 4 16}	"any registered package, other than this package has been instantiated"	c97		
4	sLPPM-P		Mandatory	m		
5	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": topPackage		Mandatory	m		
c96: if G.54/1b then – else m c97: if G.56/1a then m else –						

G.14.3 Attributes

The supplier of the implementation shall state whether or not the attributes specified by all of the packages instantiated in a managed object of this class are supported, in the Support and Additional information columns of Table G.57. The supplier of the implementation shall indicate support for each of the operations for each attribute supported.

TABLE G.57

sLPPM Attribute support

				Set by create		Get		Replace		Add		Remove		Set to default		
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c98		c99		–		–		–		–		
2	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": coProtocolMachineId	{2 9 3 5 7 3}	GraphicString	c100		m		x		–		–		x		
3	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	c100		m		x		–		–		x		
4	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectClass	{2 9 3 2 7 65}	ObjectClass	c101		m		x		–		–		x		
5	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": operationalState	{2 9 3 2 7 35}	ENUMERATED	x		m		x		–		–		x		
6	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c102		c103		c104		c104		c104		c104		

c98: if G.56/1a then (if H.1/20a then o else x) else –

c99: if G.56/1a then m else –

c100: if H.1/20a then o else x

c101: if H.1/20a then m else x

c102: if G.56/3a then (if H.1/20a then o else x) else –

c103: if G.56/3a then m else –

c104: if G.54/1b and G.56/3a then x else –

G.14.4 Attribute group

TABLE G.58

sLPPM Attribute group support

Index	Attribute group template label	Value of object identifier for attribute group	Constraints and values	Status	Support	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": state	{2 9 3 2 8 1}	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": operationalState	m		c105		
c105: if G.54/1b then x else –								

G.14.5 Actions

TABLE G.59

sLPPM Action support

Index	Action type template label	Value of object identifier for action type	Constraints and values	Status	Support	Additional information	Subindex	Action field name label	Constraints and values	Status	Support	Additional information
1	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": activate	{2 9 3 5 9 0}		m			1.1	ActionInfo	**Information Syntax** SET OF SEQUENCE	m		
							1.1.1	identifier	OBJECT IDENTIFIER	m		
							1.1.2	significance	BOOLEAN	o		
							1.1.3	information	ANY DEFINED BY identifier	m		
							1.2	ActionReply	**Reply Syntax** SET OF SEQUENCE	m		
							1.2.1	identifier	OBJECT IDENTIFIER	m		
							1.2.2	significance	BOOLEAN	o		
							1.2.3	information	ANY DEFINED BY identifier	m		
2	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": deactivate	{2 9 3 5 9 1}		m			2.1	ActionInfo	**Information Syntax** SET OF SEQUENCE	m		
							2.1.1	identifier	OBJECT IDENTIFIER	m		
							2.1.2	significance	BOOLEAN	o		
							2.1.3	information	ANY DEFINED BY identifier	m		
							2.2	ActionReply	**Reply Syntax** SET OF SEQUENCE	m		
							2.2.1	identifier	OBJECT IDENTIFIER	m		
							2.2.2	significance	BOOLEAN	o		
							2.2.3	information	ANY DEFINED BY identifier	m		

G.14.6 Notifications

TABLE G.60

sLPPM Notification support

					Support									
Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Con-firmed	Non-con-firmed	Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
1	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectCreation	{2 9 3 2 10 6}		m				1.1	ObjectInfo		**Information Syntax** SEQUENCE	m		
								1.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								1.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o		
								1.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
								1.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								1.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								1.1.4.2	sourceObjectInst	–	ObjectInstance	c:o		
								1.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o		
								1.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								1.1.6.1	identifier	–	OBJECT IDENTIFIER	c:m		
								1.1.6.2	significance	–	BOOLEAN	c:o		
								1.1.6.3	information	–	ANY DEFINED BY identifier	c:m		
2	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": objectDeletion	{2 9 3 2 10 7}		m				2.1	ObjectInfo		**Information Syntax** SEQUENCE	m		
								2.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								2.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o		
								2.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		

TABLE G.60 *(continued)*

sLPPM Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support: Con-firmed	Support: Non-con-firmed	Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
								2.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								2.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								2.1.4.2	sourceObjectInst	–	ObjectInstance	c:o		
								2.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o		
								2.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								2.1.6.1	identifier	–	OBJECT IDENTIFIER	c:m		
								2.1.6.2	significance	–	BOOLEAN	c:o		
								2.1.6.3	information	–	ANY DEFINED BY identifier	c:m		
3	"CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": stateChange	{2 9 3 2 10 14}		m				3.1	StateChangeInfo		**Information Syntax** SEQUENCE	m		
								3.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								3.1.2	attributeIdentifierList	{2 9 3 2 7 8}	SET OF AttributeId	o		
								3.1.3	stateChangeDefinition	{2 9 3 2 7 28}	SET OF SEQUENCE	m		
								3.1.3.1	attributeID	–	AttributeId	m		
								3.1.3.2	oldAttributeValue	–	ANY DEFINED BY attributeID	o		
								3.1.3.3	newAttributeValue	–	ANY DEFINED BY attributeID	m		
								3.1.4	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
								3.1.5	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								3.1.5.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								3.1.5.2	sourceObjectInst	–	ObjectInstance	c:o		

TABLE G.60 *(concluded)*

sLPPM Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Con-firmed	Non-con-firmed								
								3.1.6	additionalText	{2 9 3 2 7 7}	GraphicString	o		
								3.1.7	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								3.1.7.1	identifier	–	OBJECT IDENTIFIER	c:m		
								3.1.7.2	significance	–	BOOLEAN	c:o		
								3.1.7.3	information	–	ANY DEFINED BY identifier	c:m		

Annex H[6)]

MRCS proforma for name binding

H.1 Introduction

The purpose of this MRCS proforma for name bindings is to provide a mechanism for a supplier which claims conformance to a name binding to provide conformance information in a standard form.

H.2 Instructions for completing the MRCS proforma for name binding to produce a MRCS[7)]

The supplier of the implementation shall state which items are supported in the tables below and if necessary provide additional information.

6) **Copyright release for MRCS proforma**

Users of this Recommendation may freely reproduce the MRCS proforma in this annex so that it can be used for its intended purpose, and may further publish the completed MRCS.

7) Instructions for MRCS proforma are found in ITU-T Rec.X.724 | ISO/IEC 10165-6, clause 5.

H.3 Statement of conformance to the name binding

TABLE H.1

Name Binding support

Index	Name binding template label	Value of object identifier for name binding	Constraints and values	Status	Support	Additional information	Subindex	Operation	Constraints and values	Status	Support	Additional information
1	dLSAP-datalinkEntity-Management	{2 15 0 6 2}	Superior class: datalinkEntity AND SUBCLASSES	o			1.1	Create support		m		
							1.2	Create with reference object		–		
							1.3	Create with automatic instance naming		–		
							1.4	Delete support		m		
							1.5	Delete only if no contained objects		m		
							1.6	Delete contained objects		x		
2	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": sap1-communica-tionsEntity	{2 9 3 5 6 3}	Superior class: "ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": communicationsEntity AND SUBCLASSES	o			2.1	Create support		x		
							2.2	Create with reference object		–		
							2.3	Create with automatic instance naming		–		
							2.4	Delete support		x		
							2.5	Delete only if no contained objects		–		
							2.6	Delete contained objects		–		
3	datalinkEntity-datalinkSubsystem-Management	{2 15 0 6 1}	Superior class: datalinkSubsystem AND SUBCLASSES	o			3.1	Create support		m		
							3.2	Create with reference object		–		
							3.3	Create with automatic instance naming		–		
							3.4	Delete support		m		
							3.5	Delete only if no contained objects		m		
							3.6	Delete contained objects		x		

TABLE H.1 *(continued)*

Name Binding support

Index	Name binding template label	Value of object identifier for name binding	Constraints and values	Status	Support	Additional information	Subindex	Operation	Constraints and values	Status	Support	Additional information
4	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": communicationsEntity-subsystem	{2 9 3 5 6 1}	Superior class: "ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": subsystem AND SUBCLASSES	o			4.1	Create support		x		
							4.2	Create with reference object		–		
							4.3	Create with automatic instance naming		–		
							4.4	Delete support		x		
							4.5	Delete only if no contained objects		–		
							4.6	Delete contained objects		–		
5	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": subsystem-system	{2 9 3 5 6 6}	Superior class: "CCITT Rec. X.721 (1992) | ISO/IEC 10165-2:1992": system AND SUBCLASSES	o			5.1	Create support		x		
							5.2	Create with reference object		–		
							5.3	Create with automatic instance naming		–		
							5.4	Delete support		x		
							5.5	Delete only if no contained objects		–		
							5.6	Delete contained objects		–		
6	eWMAMetricMonitor-lLCDLE-Management	{2 15 0 6 13}	Superior class: lLCDLE AND SUBCLASSES	o			6.1	Create support		m		
							6.2	Create with reference object		m		
							6.3	Create with automatic instance naming		m		
							6.4	Delete support		m		
							6.5	Delete only if no contained objects		m		
							6.6	Delete contained objects		x		

TABLE H.1 *(continued)*

Name Binding support

Index	Name binding template label	Value of object identifier for name binding	Constraints and values	Status	Support	Additional information	Subindex	Operation	Constraints and values	Status	Support	Additional information
7	eWMAMetricMonitor-mACDLE-Management	{2 15 0 6 14}	Superior class: mACDLE AND SUBCLASSES	o			7.1	Create support		m		
							7.2	Create with reference object		m		
							7.3	Create with automatic instance naming		m		
							7.4	Delete support		m		
							7.5	Delete only if no contained objects		m		
							7.6	Delete contained objects		x		
8	lLCCLPM-lLCDLE-Management	{2 15 0 6 9}	Superior class: lLCDLE AND SUBCLASSES	o			8.1	Create support		m		
							8.2	Create with reference object		–		
							8.3	Create with automatic instance naming		–		
							8.4	Delete support		m		
							8.5	Delete only if no contained objects		m		
							8.6	Delete contained objects		x		
9	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": clProtocolMachine-entity	{2 9 3 5 6 0}	Superior class: "ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": communicationsEntity AND SUBCLASSES	o			9.1	Create support		x		
							9.2	Create with reference object		–		
							9.3	Create with automatic instance naming		–		
							9.4	Delete support		x		
							9.5	Delete only if no contained objects		–		
							9.6	Delete contained objects		–		

TABLE H.1 *(continued)*

Name Binding support

Index	Name binding template label	Value of object identifier for name binding	Constraints and values	Status	Support	Additional information	Subindex	Operation	Constraints and values	Status	Support	Additional information
10	lLCCOPM-lLCDLE-Management	{2 15 0 6 10}	Superior class: lLCDLE AND SUBCLASSES	o			10.1	Create support		m		
							10.2	Create with reference object		–		
							10.3	Create with automatic instance naming		–		
							10.4	Delete support		m		
							10.5	Delete only if no contained objects		m		
							10.6	Delete contained objects		x		
11	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": coProtocolMachine-entity	{2 9 3 5 6 2}	Superior class: "ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": communicationsEntity AND SUBCLASSES	o			11.1	Create support		x		
							11.2	Create with reference object		–		
							11.3	Create with automatic instance naming		–		
							11.4	Delete support		x		
							11.5	Delete only if no contained objects		–		
							11.6	Delete contained objects		–		
12	mAC-mACDLE-Automatic	{2 15 0 6 7}	Superior class: mACDLE AND SUBCLASSES	o			12.1	Create support		x		
							12.2	Create with reference object		–		
							12.3	Create with automatic instance naming		–		
							12.4	Delete support		x		
							12.5	Delete only if no contained objects		–		
							12.6	Delete contained objects		–		

TABLE H.1 *(continued)*

Name Binding support

Index	Name binding template label	Value of object identifier for name binding	Constraints and values	Status	Support	Additional information	Subindex	Operation	Constraints and values	Status	Support	Additional information
13	mAC-mACDLE-Management	{2 15 0 6 8}	Superior class: mACDLE AND SUBCLASSES	o			13.1	Create support		m		
							13.2	Create with reference object		–		
							13.3	Create with automatic instance naming		–		
							13.4	Delete support		m		
							13.5	Delete only if no contained objects		m		
							13.6	Delete contained objects		x		
14	resourceTypeId-lLCDLE-Automatic	{2 15 0 6 11}	Superior class: lLCDLE AND SUBCLASSES	o			14.1	Create support		x		
							14.2	Create with reference object		–		
							14.3	Create with automatic instance naming		–		
							14.4	Delete support		x		
							14.5	Delete only if no contained objects		–		
							14.6	Delete contained objects		–		
15	resourceTypeId-mACDLE-Automatic	{2 15 0 6 12}	Superior class: mACDLE AND SUBCLASSES	o			15.1	Create support		x		
							15.2	Create with reference object		–		
							15.3	Create with automatic instance naming		–		
							15.4	Delete support		x		
							15.5	Delete only if no contained objects		–		
							15.6	Delete contained objects		–		

TABLE H.1 *(continued)*

Name Binding support

Index	Name binding template label	Value of object identifier for name binding	Constraints and values	Status	Support	Additional information	Subindex	Operation	Constraints and values	Status	Support	Additional information
16	sLPConnection-sLPPM-Automatic	{2 15 0 6 4}	Superior class: sLPPM AND SUBCLASSES	o			16.1	Create support		x		
							16.2	Create with reference object		–		
							16.3	Create with automatic instance naming		–		
							16.4	Delete support		x		
							16.5	Delete only if no contained objects		–		
							16.6	Delete contained objects		–		
17	sLPConnection-sLPPM-Management	{2 15 0 6 5}	Superior class: sLPPM AND SUBCLASSES	o			17.1	Create support		x		
							17.2	Create with reference object		–		
							17.3	Create with automatic instance naming		–		
							17.4	Delete support		m		
							17.5	Delete only if no contained objects		m		
							17.6	Delete contained objects		x		
18	"ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": singlePeerConnection-coProtocolMachine	{2 9 3 5 6 5}	Superior class: "ITU-T Rec. X.723 (1993) | ISO/IEC 10165-5:1994": coProtocolMachine AND SUBCLASSES	o			18.1	Create support		x		
							18.2	Create with reference object		–		
							18.3	Create with automatic instance naming		–		
							18.4	Delete support		x		
							18.5	Delete only if no contained objects		–		
							18.6	Delete contained objects		–		

TABLE H.1 *(concluded)*

Name Binding support

Index	Name binding template label	Value of object identifier for name binding	Constraints and values	Status	Support	Additional information	Subindex	Operation	Constraints and values	Status	Support	Additional information
19	sLPConnectionIVMO-sLPPM-Management	{2 15 0 6 6}	Superior class: sLPPM AND SUBCLASSES	o			19.1	Create support		m		
							19.2	Create with reference object		–		
							19.3	Create with automatic instance naming		–		
							19.4	Delete support		m		
							19.5	Delete only if no contained objects		m		
							19.6	Delete contained objects		x		
20	sLPPM-lAPBDLE-Management	{2 15 0 6 3}	Superior class: lAPBDLE AND SUBCLASSES	o			20.1	Create support		m		
							20.2	Create with reference object		–		
							20.3	Create with automatic instance naming		–		
							20.4	Delete support		m		
							20.5	Delete only if no contained objects		m		
							20.6	Delete contained objects		x		

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